

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:

401047977

Date Received:

05/19/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

445131

## SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. 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> Phone: (970) 506-9273 Mobile: (970) 373-6581 Email: zack.liesenfeld@pdce.com
Address: 1775 SHERMAN STREET - STE 3000		
City: DENVER	State: CO Zip: 80203	
Contact Person: Zack Liesenfeld		

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401005091

Initial Report Date: 03/15/2016 Date of Discovery: 03/13/2016 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSE SEC 18 TWP 4N RNG 67W MERIDIAN 6

Latitude: 40.307620 Longitude: -104.930410

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? 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): 0 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: CROP LAND Other(Specify):

Weather Condition: Sunny and warm

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):

PDC discovered a produced water release from an open valve on a temporary produced water tanks on the Rieder 18 QT location. The release was determined to be greater than 5 barrels within secondary containment. Free liquids were vacuumed up and current cleanup efforts removed contaminated soil.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
3/14/2016	COGCC	Rick Allison	-	Via Email
3/14/2016	COGCC	Peter Gintautas	-	Via Email
3/14/2016	Weld County	Roy Rudisill	-	Via Email

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 05/16/2016		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	5	5	<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): 60 Width of Impact (feet): 45

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

How was extent determined?

On March 13, 2016, approximately 5 barrels of produced water were released from a temporary storage tank within lined secondary containment. The released liquid was immediately recovered and transported to a licensed disposal facility. Approximately 50 cubic yards of impacted material were removed and transported to the Waste Management Facility in Ault, Colorado for disposal. On May 5, 2016, six confirmation surface soil samples (SS01 – SS06) were collected from the former secondary containment area and field screened for headspace volatile organic compound (VOC) concentrations using a photoionization detector (PID). 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 USEPA Method 8260, TPH – diesel range organics (DRO) by USEPA Method 8015, pH and electrical conductivity (EC). Analytical results indicated organic compound concentrations and physical parameters were in compliance with COGCC Table 910-1 soil standards in all six soil sample locations. The excavation extent and soil sample locations are illustrated on Figure 2. Soil analytical data is summarized in Table 1 and the laboratory report is included as Attachment A. Based on the soil analytical data described herein, PDC is requesting a No Further Action (NFA) determination for this release.

Soil/Geology Description:

Colombo clay loam, 0 to 1 percent slopes

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

If less than 1 mile, distance in feet to nearest	Water Well	90	None	Surface Water	675	None
	Wetlands		None <input checked="" type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
	Livestock	2350	None <input type="checkbox"/>	Occupied Building	745	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

## 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: 05/19/2016 Email: zack.liesenfeld@pdce.com

## COA Type

## Description

	Based on review of the information submitted it appears that no further action is necessary at this time. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.
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## Attachment Check List

### Att Doc Num

### Name

401047977	FORM 19 SUBMITTED
401048058	TOPOGRAPHIC MAP
401048059	SITE MAP
401048061	ANALYTICAL RESULTS

Total Attach: 4 Files

## General Comments

### User Group

### Comment

### Comment Date

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Total: 0 comment(s)