

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

401233578

Date Received:

03/16/2017

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

449414

## 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	<b>Phone Numbers</b>
Address: 1775 SHERMAN STREET - STE 3000		Phone: (970) 506-9272
City: DENVER	State: CO	Zip: 80203
Contact Person: Zack Liesenfeld		Mobile: (970) 373-6581
		Email: Zack.Liesenfeld@pdce.com

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401221331

Initial Report Date: 02/28/2017 Date of Discovery: 02/27/2017 Spill Type: Historical Release

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNE SEC 28 TWP 4N RNG 67W MERIDIAN 6

Latitude: 40.290780 Longitude: -104.891430

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? Yes

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

Estimated Oil Spill Volume(bbl): Unknown

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): 0

Estimated Other E&amp;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: Cloudy and cool

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 Energy discovered a historic release on the McCarty 28-6 location while abandoning the production facility. Current remediation efforts are mitigating impacts.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
2/27/2017	COGCC	Peter Gintautas	-	Via Email
2/27/2017	Weld County	Roy Rudisill	-	Via Email
2/27/2017	Land Owner	NA	-	Via Phone Call

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 03/15/2017		
<b>FLUIDS</b>	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): 38 Width of Impact (feet): 55

Depth of Impact (feet BGS): 12 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On January 27, 2017, a historic release was discovered during facility decommissioning activities at the McCarty 28-6 tank battery. Between February 27 and March 1, 2017, approximately 460 cubic yards of impacted material were removed and transported to the Waste Management – North Weld Landfill in Ault, Colorado for disposal under PDC waste manifests. Soil encountered in the excavation area was field screened for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Six (6) soil samples (SS01 – SS06) were collected from the sidewalls of the excavation area at approximately 10 feet below ground surface (bgs). 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 8260, and TPH – diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated constituent concentrations were below COGCC Table 910-1 soil standards at all six sample locations. Groundwater was encountered in the excavation area at approximately 12 feet bgs. On March 13, 2017, one groundwater sample (GW01) was collected from the excavation area and submitted for laboratory analysis of BTEX by USEPA Method 8260. Analytical results indicated BTEX concentrations were below COGCC Table 910-1 groundwater standards. The excavation extent and soil and groundwater sample locations are illustrated on Figure 2. Soil analytical data is summarized in Table 1 and groundwater analytical data is summarized in Table 2. Laboratory analytical reports are provided in Attachment A. Based on the analytical data described herein, PDC is requesting a No Further Action (NFA) determination for this release.

Soil/Geology Description:

Weld Loam, 1 to 3 percent slopes.

Depth to Groundwater (feet BGS) 12 Number Water Wells within 1/2 mile radius: 0  
If less than 1 mile, distance in feet to nearest Water Well 4450 None ☐ Surface Water          None ☒  
Wetlands          None ☒ Springs          None ☒  
Livestock          None ☒ Occupied Building 1990 None ☐

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/15/2017

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)

A historic release was discovered below the produced water vessel during facility plug and abandonment activities.

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

The facility was decommissioned and will not be rebuilt.

Volume of Soil Excavated (cubic yards): 460

Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment  
☐ Other (specify)   

Volume of Impacted Ground Water Removed (bbls): 360

Volume of Impacted Surface Water Removed (bbls):                 

## 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: 03/16/2017 Email: Zack.Liesenfeld@pdce.com

## COA Type

## Description

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## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401233677	ANALYTICAL RESULTS
401233678	TOPOGRAPHIC MAP
401234182	SITE MAP

Total Attach: 3 Files

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

Total: 0 comment(s)