

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:

400905161

Date Received:

09/25/2015

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

443225

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 Address: 1775 SHERMAN STREET - STE 3000 City: DENVER State: CO Zip: 80203 Contact Person: Zack Liesenfeld Phone Numbers: Phone: (970) 506-9273 Mobile: (970) 373-6581 Email: zack.liesenfeld@pdce.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400901373

Initial Report Date: 09/17/2015 Date of Discovery: 09/16/2015 Spill Type: Historical Release

Spill/Release Point Location:

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

Latitude: 40.408290 Longitude: -104.464200

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 331043 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): 0 Estimated Condensate Spill Volume(bbl): 0 Estimated Flow Back Fluid Spill Volume(bbl): 0 Estimated Produced Water Spill Volume(bbl): Unknown 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: Sunny and 85 Surface Owner: STATE Other(Specify): Colorado State of

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):

During P&A of the State 14, 24-8 location a historic release was discovered under the produced water vault. Exploration and remediation efforts found the release to be state reportable. Current action is being taken to determine the extent of the release, once found, an appropriate remediation plan will be executed.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
9/17/2015	State of CO	Rick Allison	-	Via email
9/17/2015	Weld County	Roy Rudesil	-	Via email
9/17/2015	State of CO	Steve Freese	-	Via email

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 09/25/2015

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER			<input checked="" 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): 130 Width of Impact (feet): 70

Depth of Impact (feet BGS): 22 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On September 16, 2015, a historic release was discovered below the produced water tank during facility decommissioning activities at the State 14, 24-8 tank battery. To date, approximately 80 cubic yards of impacted material have been removed and transported to the Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. Excavation and site investigation activities to delineate the lateral and vertical extent of remaining petroleum hydrocarbon impacts in soil are on-going. Groundwater has not been encountered. A summary of remediation activities and analytical results will be provided in a subsequent report.

Soil/Geology Description:

Valent sand, 3 to 9 percent slopes

Depth to Groundwater (feet BGS) 80 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 25 None  Occupied Building \_\_\_\_\_ None

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1	Supplemental Report Date:	09/25/2015
Cause of Spill (Check all that apply)		
<input type="checkbox"/> Human Error	<input type="checkbox"/> Equipment Failure	<input checked="" type="checkbox"/> Historical-Unknown
<input type="checkbox"/> Other (specify) _____		
Describe Incident & Root Cause (include specific equipment and point of failure)		
A historic release was discovered during production facility decommissioning activities.		
Describe measures taken to prevent the problem(s) from reoccurring:		
The well will be plugged and the facility will not be reconstructed.		
Volume of Soil Excavated (cubic yards): 80		
Disposition of Excavated Soil (attach documentation)		
<input checked="" type="checkbox"/> Offsite Disposal	<input type="checkbox"/> Onsite Treatment	
<input type="checkbox"/> 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:

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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: Zack Liesenfeld

Title: EHS Professional Date: 09/25/2015 Email: zack.liesenfeld@pdce.com

## COA Type

## Description

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## Attachment Check List

Att Doc Num	Name
400905241	TOPOGRAPHIC MAP
400905297	OTHER

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	Removed "Request for Closure Work proceeding under an approved Form 27", per Operator request.	9/29/2015 11:10:05 AM

Total: 1 comment(s)