

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400805420

Date Received:

03/10/2015

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

440980

## 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: <u>PDC ENERGY INC</u>	Operator No: <u>69175</u>	<b>Phone Numbers</b>
Address: <u>1775 SHERMAN STREET - STE 3000</u>		Phone: <u>(303) 860-5800</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80203</u>
Contact Person: <u>Brandon Bruns</u>		Mobile: <u>( )</u>
		Email: <u>brandon.bruns@pdce.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400801876

Initial Report Date: 03/02/2015 Date of Discovery: 03/01/2015 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 15 TWP 7N RNG 66W MERIDIAN 6

Latitude: 40.574650 Longitude: -104.772590

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

#### Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 430033

☐ 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): >=5 and <100

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

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: Spill volume estimated to be 5.5 barrels

#### Land Use:

Current Land Use: CROP LAND

Other(Specify): \_\_\_\_\_

Weather Condition: cloudy, 35 degrees

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 March 1, 2015, a spill of produced water was discovered inside the tank containment at the Danielson 15G-HZ tank battery. It is estimated that approximately 5.5 barrels were released when a load line valve on one of the production tanks froze and cracked. Based on the cold weather and hard ground, the material appears to have only seeped into the ground approximately 1 to 2 inches. No surface water or groundwater was impacted as a result of this release and the release was contained within the steel berm. PDC has already initiated cleanup and recovery activities.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
3/2/2015	Landowner		-	talked to land owner
3/2/2015	Weld County	Roy Rudisill	-	email notification

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 03/09/2015		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	6	6	<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): 15 Width of Impact (feet): 5

Depth of Impact (feet BGS): \_\_\_\_\_ Depth of Impact (inches BGS): 3

How was extent determined? \_\_\_\_\_

On March 1, 2015, approximately 5.5 barrels of produced water were released when a production tank load line valve froze at the Danielson 15G-HZ production facility. Approximately 2 cubic yards of impacted material were excavated and transported to the Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. On March 5, 2015, three confirmation soil samples (SS01 - SS03) were collected from the excavation extent at approximately 3 inches below ground surface (bgs). Soil samples were submitted to Summit Scientific Laboratories in Golden, Colorado for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), naphthalene, and total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by USEPA Method 8260B. In addition, samples were analyzed for TPH - diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated constituent concentrations were below COGCC Table 910-1 soil standards in the three sample locations. Soil analytical results are summarized in Table 1 and the laboratory analytical report is included as Attachment A. The excavation extent and soil sample locations are illustrated on Figure 2. Based on soil analytical results described herein, impacts have been successfully mitigated and soils in the spill area meet COGCC Table 910-1 soil standards. Consequently, PDC is requesting a No Further Action (NFA) determination from the COGCC

Soil/Geology Description:

Kim loam, 1 to 3 percent slopes

Depth to Groundwater (feet BGS) 2 Number Water Wells within 1/2 mile radius: 1945

If less than 1 mile, distance in feet to nearest Water Well 1 None ☐ Surface Water 1950 None ☐

Wetlands \_\_\_\_\_ None ☒ Springs \_\_\_\_\_ None ☒

Livestock 660 None ☐Occupied Building 435 None ☐

Additional Spill Details Not Provided Above:

**CORRECTIVE ACTIONS**#1 Supplemental Report Date: 03/09/2015Cause of Spill (Check all that apply) ☐ Human Error ☒ Equipment Failure ☐ Historical-Unknown  
☐ Other (specify) \_\_\_\_\_

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

A production tank load line valve froze releasing approximately 5.5 barrels of produced water.

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

PDC will continue to inspect each production facility on a daily basis.

Volume of Soil Excavated (cubic yards): 2Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment  
☐ Other (specify) \_\_\_\_\_Volume of Impacted Ground Water Removed (bbls): 0Volume 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: \_\_\_\_\_

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Brandon BrunnsTitle: EHS Supervisor Date: 03/10/2015 Email: brandon.brunns@pdce.com**Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400805422	ANALYTICAL RESULTS
400805423	TOPOGRAPHIC MAP
400805424	SITE MAP

Total Attach: 3 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)