

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:

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>	Phone Numbers
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>		Mobile: <u>()</u>
Contact Person: <u>Brandon Brun</u>		Email: <u>brandon.brun@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

FLUIDS	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): _____

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:

[Empty box for additional spill details]

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/09/2015

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 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): 2

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: _____

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

Signed: _____ Print Name: Brandon Bruns
Title: EHS Supervisor Date: 03/10/2015 Email: brandon.bruns@pdce.com

COA Type

Description

	Based on the information presented, it appears that no further action is necessary at this time, and COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soil exceeding COGCC standards or if ground water is found to be significantly impacted, then further investigation and/or remediation activities may be required at the site.
--	--

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400805420	FORM 19 SUBMITTED
400805422	ANALYTICAL RESULTS
400805423	TOPOGRAPHIC MAP
400805424	SITE MAP

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)