

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:

400819286

Date Received:

04/09/2015

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

441395

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	Phone Numbers
Address: 1775 SHERMAN STREET - STE 3000		Phone: (303) 860-5800
City: DENVER State: CO Zip: 80203		Mobile: ()
Contact Person: Brandon Brun		Email: brandon.brun@pdce.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400813993

Initial Report Date: 03/24/2015 Date of Discovery: 03/23/2015 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENE SEC 28 TWP 2N RNG 66W MERIDIAN 6

Latitude: 40.112893 Longitude: -104.777050

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 333219
 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? No

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: CROP LAND Other(Specify):
 Weather Condition: sunny, 65 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):

PDC began removing the produced water vessel at the Ursula #2 tank battery on March 19, 2015. On March 23rd when crews returned to the location, groundwater had infiltrated into the excavation. The groundwater did not appear to be impacted and photoionization detector readings from soil removed from the excavation were not elevated. Results from a groundwater sample submitted for laboratory analytical testing indicated petroleum hydrocarbon concentrations above COGCC Table 910-1 groundwater standards.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/20/2015	Landowner	Gerhard Maier	-	spoke to landowner in person
3/24/2015	Weld County	Roy Rudisill	-	submitted email notification

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 04/02/2015

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): 18 Width of Impact (feet): 18

Depth of Impact (feet BGS): 8 Depth of Impact (inches BGS): _____

How was extent determined?

On March 23, 2015, a historic release was discovered below the produced water tank during plug and abandonment activities at the Ursula #2 production facility. Approximately 130 cubic yards of impacted material were removed and transported to the Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. Groundwater was encountered during excavation activities at approximately 8 feet below ground surface (bgs). On March 23, 2015, a groundwater sample (GW01) was collected and submitted to Summit Scientific Laboratories in Golden, Colorado for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8260B. Analytical results indicated benzene and ethylbenzene concentrations were in exceedance of COGCC Table 910-1 groundwater standards. The excavation extent and groundwater sample location are illustrated on Figure 2. Groundwater analytical results are summarized in Table 1 and the laboratory analytical report is included as Attachment A. Sub-surface investigation activities are on-going and will be summarized in a subsequent Form 27.

Soil/Geology Description:

Olney loamy sand, 1 to 3 percent slopes

Depth to Groundwater (feet BGS) 8

Number Water Wells within 1/2 mile radius: 56

If less than 1 mile, distance in feet to nearest Water Well 625 None Surface Water 660 None

Wetlands _____ None Springs _____ None

Livestock 100 None Occupied Building 690 None

Additional Spill Details Not Provided Above:

Empty rectangular box for additional spill details.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 04/02/2015

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 historic release was discovered below the produced water tank during plug and abandonment activities.

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

The facility is being abandoned and will not be rebuilt.

Volume of Soil Excavated (cubic yards): 130

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 Brunns
 Title: EHS Supervisor Date: 04/09/2015 Email: brandon.brunns@pdce.com

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400819286	FORM 19 SUBMITTED
400819287	TOPOGRAPHIC MAP
400819288	SITE MAP
400819381	ANALYTICAL RESULTS

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

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

Total: 0 comment(s)