

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: <u>PDC ENERGY INC</u>	Operator No: <u>69175</u>	Phone Numbers
Address: <u>1775 SHERMAN STREET - STE 3000</u>		Phone: <u>(970) 506-9272</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80203</u>
Contact Person: <u>Zack Liesenfeld</u>		Mobile: <u>(970) 373-6581</u>
		Email: <u>Zack.Liesenfeld@pdce.com</u>

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 6Latitude: 40.290780 Longitude: -104.891430Municipality (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): UnknownEstimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): 0Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: CROP LAND

Other(Specify): _____

Weather Condition: Cloudy and coolSurface 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		
FLUIDS	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.

Number Water Wells within 1/2 mile radius: 0

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1	Supplemental Report Date:	03/15/2017
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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 (bbbls): 360

Volume of Impacted Surface Water Removed (bbbs):

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**

	Based on the information presented, it appears that no further action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be impacted, then further investigation and/or further remediation activities may be required. In addition, the surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules
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Attachment Check List**Att Doc Num****Name**

401233578	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401233677	ANALYTICAL RESULTS
401233678	TOPOGRAPHIC MAP
401234182	SITE MAP
401234529	FORM 19 SUBMITTED

Total Attach: 5 Files

General Comments**User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)