

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401452081

Date Received:

11/08/2017

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.

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

452932

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>		Mobile: <u>(970) 373-6581</u>
Contact Person: <u>Zack Liesnefeld</u>		Email: <u>Zack.Liesnefeld@pdce.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401446203

Initial Report Date: 10/31/2017 Date of Discovery: 10/30/2017 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENE SEC 21 TWP 6n RNG 64w MERIDIAN 6

Latitude: 40.471750 Longitude: -104.546860

Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: PARTIALLY-BURIED VESSEL Facility/Location ID No 327372

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 Cold

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 discovered a reportable historical release while replacing the water vault at the McKee 32, 42-21. Current recovery efforts are mitigating impacts.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
10/30/2017	COGCC	Rick Allison	-	Via Email
10/30/2017	Weld County	Roy Rudisill	-	Via Email
10/30/2017	Land Owner	NA	-	Via Phone Call

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 11/03/2017

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): 43 Width of Impact (feet): 61

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): 6

How was extent determined?

On October 30, 2017, historic hydrocarbon impacts were discovered beneath the produced water vessel during plug and abandonment activities at the McKee 32, 42-21 production facility. Excavation and sampling activities are on-going at this time and will be summarized in a forthcoming report. A topographic map is attached as Figure 1.

Soil/Geology Description:

Otero sandy loam, 1 to 3 percent slopes.

Depth to Groundwater (feet BGS) 5 Number Water Wells within 1/2 mile radius: 3

If less than 1 mile, distance in feet to nearest

Water Well	<u>1098</u>	None <input type="checkbox"/>	Surface Water	<u>60</u>	None <input type="checkbox"/>
Wetlands		None <input checked="" type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
Livestock	<u>190</u>	None <input type="checkbox"/>	Occupied Building	<u>457</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1	Supplemental Report Date:	11/07/2017	
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)			
On October 30, 2017, historic hydrocarbon impacts were discovered beneath the produced water vessel during plug and abandonment activities.			
Describe measures taken to prevent the problem(s) from reoccurring:			
The facility will be decommissioned and will not be replaced.			
Volume of Soil Excavated (cubic yards): 970			
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:

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

Signed: _____ Print Name: Zack Liesnefeld

Title: EHS Professional Date: 11/08/2017 Email: Zack.Liesenfeld@pdce.com

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401452344	TOPOGRAPHIC MAP

Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)