

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401465405

Date Received:

01/11/2018

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

452932

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>	Mobile: <u>(970) 373-6581</u>
Zip: <u>80203</u>		Email: <u>Zack.Liesenfeld@pdce.com</u>
Contact Person: <u>Zack Liensenfeld</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 6Latitude: 40.471750 Longitude: -104.546860Municipality (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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): UnknownEstimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): _____Weather Condition: Sunny and ColdSurface 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: 01/11/2018		
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): 85 Width of Impact (feet): 50

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

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. Between November 1 and November 13, 2017, approximately 1,320 cubic yards of impacted material were removed and transported to the North Weld Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. Eleven (11) soil samples were collected from the sidewalls of the excavation extent at approximately 4.5 feet below ground surface (bgs). Soil 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 8260B, and TPH – diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated that constituent concentrations were below the applicable COGCC Table 910-1 standards in the nine (9) soil samples collected from the sidewalls of the final excavation extent. Groundwater was encountered in the excavation area at approximately 5 feet bgs. Between November 9 and November 20, 2017, approximately 3,306 barrels of groundwater were recovered from the excavation using a vacuum truck and transported to a licensed disposal facility. Vacuum recovery events were conducted on a daily basis during soil removal activities due to the high recharge from the shallow groundwater table. On November 20, 2017, one groundwater sample (GW01) was collected from the excavation area and submitted to Summit for analysis of BTEX by USEPA Method 8260B. Analytical results indicated that constituent concentrations were below COGCC groundwater standards. Based on the soil and groundwater analytical results, PDC is requesting a No Further Action (NFA) determination for this release.

Soil/Geology Description:

Otero sandy loam, 1 to 3 percent slopes.

401465436	TOPOGRAPHIC MAP
401465589	ANALYTICAL RESULTS
401466438	SITE MAP
401519887	FORM 19 SUBMITTED

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	Corrections received - see REM 10841 for further information	01/19/2018
Environmental	Return to Draft - update impacted area dimensions on Spill/Release Detail Report	01/11/2018
Environmental	Return to Draft: 1. Check "groundwater" as impacted media on Spill/Release Detail Report, 2. update impacted area dimensions on Spill/Release Detail Report, 3. Check "Work proceeding under an approved Form 27 on Request for Closure". Submit Form 27 for investigation of impacted groundwater.	12/07/2017

Total: 3 comment(s)