

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401590586

Date Received:

03/30/2018

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

454458

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# 401583863

Initial Report Date: 03/22/2018 Date of Discovery: 03/21/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWNE SEC 24 TWP 5N RNG 65W MERIDIAN 6Latitude: 40.387610 Longitude: -104.609410Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: OTHER ☒ Facility/Location ID No 450111☐ 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): 0Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): >=5 and <100

Specify: _____

Land Use:

Current Land Use: CROP LAND

Other(Specify): _____

Weather Condition: Sunny and warmSurface 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 Oil Based Drilling Mud release on the Sandin 24V drill location due to a misaligned valve. Once discovered the release was stopped and impacts immediately mitigated.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/22/2018	COGCC	Rick Allison	-	Via Email
3/22/2018	Weld County	Roy Rudisill	-	Via Email
3/22/2018	Landowners	NA	-	Via Phone Call

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 03/29/2018		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	0	0	<input type="checkbox"/>
DRILLING FLUID	10	9	<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): 90 Width of Impact (feet): 25

Depth of Impact (feet BGS): 1 Depth of Impact (inches BGS): _____

How was extent determined?

On March 21, 2018, approximately 10 barrels of oil-based drilling mud were released onto a concrete pad and adjacent area at the Sandin 24V Drill Pad. Following the release, vacuum activities were conducted and recovered approximately 9 barrels of fluid. The remaining fluid and impacted surface area was scraped to approximately 6 inches below ground surface (bgs). On March 23, 2018, three (3) confirmation soils samples (SS01 - SS03) were collected from the affected area and 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 by United States Environmental Protection Agency (USEPA) Method 8260B, and TPH - diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated that TPH concentrations were above applicable COGCC Table 910-1 standards in soil sample SS01. Soil samples SS02 and SS03 exhibited organic compound concentrations below regulatory standards. Based on the analytical results, additional scraping was conducted to approximately 1 foot bgs in the northern release area. On March 27, 2018, one soil sample (SS04) was collected in the location of soil sample SS01 at approximately 1 foot bgs. The sample was submitted to Summit for laboratory analysis of BTEX, naphthalene, TPH-GRO by USEPA Method 8260B, and TPH-DRO by USEPA Method 8015. Analytical results indicated that organic compound concentrations were below applicable regulatory standards in soil sample SS04. Based on the results, PDC is submitting a No Further Action (NFA) request for this location. A topographic map is included as Figure 1. The release area and sample locations are illustrated in Figure 2 and soil analytical results are summarized in Table 1. The laboratory reports are included in Attachment A. Additionally, pictures of the release area and mitigation efforts are included in the photolog.

Soil/Geology Description:

Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401591336	ANALYTICAL RESULTS
401591342	SITE MAP
401591346	TOPOGRAPHIC MAP
401591865	OTHER

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)