

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:

402111929

Date Received:

07/19/2019

Spill report taken by:

CHESSON, BOB

Spill/Release Point ID:

465928

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

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402103762

Initial Report Date: 07/11/2019 Date of Discovery: 07/08/2019 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 5 TWP 3N RNG 64W MERIDIAN 6

Latitude: 40.248700 Longitude: -104.577340

Municipality (if within municipal boundaries): County: WELD

#### Reference Location:

Facility Type: OTHER

☒ Facility/Location ID No 461014

Spill/Release Point Name: Becker Ranch Spread Field

☐ No Existing Facility or Location ID No.

Number: 3

☐ 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): 0

Estimated Other E&P Waste Spill Volume(bbl): >=5 and <100

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: Water based drill cuttings

#### Land Use:

Current Land Use: OTHER

Other(Specify): Spread Field

Weather Condition: Sunny and warm

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):

Due to recent precipitation events, PDC discovered a reportable off-site release of water based drilling mud from the Becker #3 spread field. PDC is currently working to stabilize the area, repair/enforce damaged BMPs and recovery efforts are mitigating impacts.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
7/9/2019	COGCC	Bob Chesson	-	Via Phone Call
7/8/2019	Land Owner	NA	-	Vebaly

Was there a Grade 1 Gas Leak associated with this E & P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Grade 1 Gas Leak Report Form 44: \_\_\_\_\_

Was there a reportable accident associated with this E & P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Accident Report, Form 22: \_\_\_\_\_

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 07/17/2019		
<b>FLUIDS</b>	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	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE			<input checked="" type="checkbox"/>

specify: Water-Based Drill Cuttings

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): \_\_\_\_\_ Width of Impact (feet): \_\_\_\_\_

Depth of Impact (feet BGS): \_\_\_\_\_ Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On July 8, 2019, water-based drill cuttings were released off-site of the Becker Ranch #3 Spread Field due to a heavy precipitation event. The release area will be monitored over the next two months during vegetation regrowth. Confirmation soil samples will be collected from the release area and submitted for a reduced analyte suite based on the site-specific contaminants of concern (COC) identified during pre-release baseline soil sampling. All soil samples will be analyzed for pH, electrical conductivity (EC), and sodium absorption ratio (SAR).

Soil/Geology Description:

Vona loamy sand, 0 to 3 percent slopes.

Depth to Groundwater (feet BGS) 6 Number Water Wells within 1/2 mile radius: 3

If less than 1 mile, distance in feet to nearest Water Well 605 None ☐ Surface Water 1490 None ☐

Springs      None ☒

Occupied Building 605 None 

Additional Spill Details Not Provided Above:

Freshwater emergent wetlands are located approximately 1,190 feet to the southeast and 1,280 feet to the southwest. There are no CPW Sensitive Wildlife Habitats identified within a 1-mile radius.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 07/17/2019

Cause of Spill (Check all that apply) ☐ Human Error ☐ Equipment Failure ☐ Historical-Unknown  
☒ Other (specify) Heavy Precipitation Event

Describe Incident & Root Cause (include specific equipment and point of failure)

On July 8, 2019, water-based drill cuttings were released off-site of the Becker Ranch #3 Spread Field due to a heavy precipitation event.

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

Material spreading and incorporation methods have been altered to help prevent over land flow of precipitation. Incorporation methods implemented will increase infiltration rates preventing elevated levels of overland flow and decreased erosion. The landowner will be consulted on any mitigation activities conducted on property owned. Best Management Practices (BMPs) down slope of the spread field have been repaired and reinforced to prevent future discharges. Scheduled storm water inspections and routine maintenance will continue.

Volume of Soil Excavated (cubic yards): 0

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 (bbbs): 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 Liesenfeld

Title: EHS Representative      Date: 07/19/2019      Email: COGCCSpillRemediation@pdce.com

### COA Type

### Description

## Attachment Check List

Att Doc Num

Name

402111929	SPILL/RELEASE REPORT(SUPPLEMENTAL)
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402111933	TOPOGRAPHIC MAP
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Total Attach: 3 Files

**General Comments**

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

Total: 0 comment(s)