

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401054158

Date Received:

05/26/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

445771

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. 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	Phone Numbers
Address: 1775 SHERMAN STREET - STE 3000		Phone: (970) 506-9273
City: DENVER	State: CO	Zip: 80203
Contact Person: Zack Liesenfeld		Mobile: (970) 373-6581
		Email: zack.liesenfeld@pdce.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401051487

Initial Report Date: 05/20/2016 Date of Discovery: 05/17/2016 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 29 TWP 4N RNG 66W MERIDIAN 6

Latitude: 40.280830 Longitude: -104.806980

Municipality (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): 0

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): >=5 and <100

Estimated Other E&P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: 10 bbls of produced water was spilled

Land Use:

Current Land Use: CROP LAND Other(Specify):

Weather Condition: Raining and 44 deg F

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):

Wing nuts on the back hatch of contractor transport trailer broke releasing more than 5bbls of produced water outside secondary containment on the Weideman 29K-343 location. Spill was immediately vacuumed up (including existing puddles on ground) by onsite equipment. Once all water was removed the surface was regraded. The following day the location was inspected for residual residue and none was found.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
5/17/2016	Landowner	NA	-	Via email
5/17/2016	COGCC		970-284-5753	Fax number

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 05/27/2016		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	10	10	<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): 70 Width of Impact (feet): 25

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

How was extent determined?

On May 17, 2016, approximately 10 barrels of produced water were released at the Wiedeman 29K-343 production facility when the wing nuts failed on a transporter truck. The released volume was immediately recovered using a vacuum truck and transported to a licensed disposal facility. No impacted soil was removed from location. On May 25, 2016, six confirmation soil samples (SS01 – SS06) were collected from the former release extent at approximately 1-2 inches below ground surface (bgs). Soil samples were field screened for volatile organic compound (VOC) concentrations using a photoionization detector (PID). 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 USEPA Method 8260, TPH – diesel range organics (DRO) by USEPA Method 8015, pH and electrical conductivity (EC). Analytical results indicated organic compound concentrations and geochemical parameters were in compliance with COGCC Table 910-1 standards at all six soil sample locations. The release extent and soil sample locations are illustrated on Figure 2. Soil analytical data is summarized in Table 1 and the laboratory report is provided in Attachment A. Based on the soil analytical described herein, PDC is requesting a No Further Action (NFA) determination for this release.

Soil/Geology Description:

Julesburg sandy loam, 0 to 1 percent slopes

Depth to Groundwater (feet BGS) 30 Number Water Wells within 1/2 mile radius: 37

If less than 1 mile, distance in feet to nearest Water Well 430 None ☐ Surface Water 1250 None ☐

Wetlands _____ None ☒ Springs _____ None ☒

Livestock 1580 None ☐Occupied Building 1425 None ☐

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS#1 Supplemental Report Date: 05/27/2016Cause 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)

Approximately 10 barrels of produced water were released when wing nuts failed on the back of a transported truck.

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

Continue pre-departure vehicle inspections.

Volume of Soil Excavated (cubic yards): 0Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment
☐ Other (specify) _____Volume of Impacted Ground Water Removed (bbls): 0Volume of Impacted Surface Water Removed (bbls): 10**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 LiesenfeldTitle: EHS Professional Date: 05/26/2016 Email: zack.liesenfeld@pdce.com**COA Type****Description**

Based on review of the information submitted it appears that no further action is necessary at this time. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401054158	FORM 19 SUBMITTED
401054217	ANALYTICAL RESULTS
401054218	SITE MAP
401054240	TOPOGRAPHIC MAP

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)