

State of Colorado
Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401054158

Date Received:

05/26/2016

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.

Spill report taken by:
GINTAUTAS, PETER

Spill/Release Point ID:
445771

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) 506-9273</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u> | | Mobile: <u>(970) 373-6581</u> |
| Contact Person: <u>Zack Liesenfeld</u> | | Email: <u>zack.liesenfeld@pdce.com</u> |

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
W

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 | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| CONDENSATE | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| PRODUCED WATER | <u>10</u> | <u>10</u> | <input type="checkbox"/> |
| DRILLING FLUID | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| FLOW BACK FLUID | <u>0</u> | <u>0</u> | <input type="checkbox"/> |
| OTHER E&P WASTE | <u>0</u> | <u>0</u> | <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): 2

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:

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|--|
| |
|--|

CORRECTIVE ACTIONS

| | |
|--|---|
| #1 | Supplemental Report Date: <u>05/27/2016</u> |
| Cause of Spill (Check all that apply) | |
| <input type="checkbox"/> Human Error | <input checked="" type="checkbox"/> Equipment Failure |
| <input type="checkbox"/> Other (specify) _____ | <input type="checkbox"/> Historical-Unknown |
| 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): <u>0</u> | |
| 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): <u>0</u> | |
| Volume of Impacted Surface Water Removed (bbls): <u>10</u> | |

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:

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| |
|--|

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

| | |
|--|--|
| | |
|--|--|

Attachment Check List

| Att Doc Num | Name |
|-------------|--------------------|
| 401054217 | ANALYTICAL RESULTS |
| 401054218 | SITE MAP |
| 401054240 | TOPOGRAPHIC MAP |

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

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

Total: 0 comment(s)