

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401228806

Date Received:

03/09/2017

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

449414

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 | 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# 401221331

Initial Report Date: 02/28/2017 Date of Discovery: 02/27/2017 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNE SEC 28 TWP 4N RNG 67W MERIDIAN 6

Latitude: 40.290780 Longitude: -104.891430

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): Unknown

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): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

Land Use:

Current Land Use: CROP LAND

Other(Specify):

Weather Condition: Cloudy and cool

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):

PDC Energy discovered a historic release on the McCarty 28-6 location while abandoning the production facility. Current remediation efforts are mitigating impacts.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

| Date | Agency/Party | Contact | Phone | Response |
|-----------|--------------|-----------------|-------|----------------|
| 2/27/2017 | COGCC | Peter Gintautas | - | Via Email |
| 2/27/2017 | Weld County | Roy Rudisill | - | Via Email |
| 2/27/2017 | Land Owner | NA | - | Via Phone Call |

SPILL/RELEASE DETAIL REPORTS

| | | | |
|---|--|--|-------------------------------------|
| #1 | Supplemental Report Date: 03/08/2017 | | |
| FLUIDS | BBL's SPILLED | BBL's RECOVERED | Unknown |
| OIL | | | <input checked="" 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 | 0 | 0 | <input type="checkbox"/> |
| specify: _____ | | | |
| Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u> | | | |
| <i>Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i> | | | |
| 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) <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature | | | |
| Surface Area Impacted: Length of Impact (feet): <u>38</u> | | Width of Impact (feet): <u>55</u> | |
| Depth of Impact (feet BGS): <u>12</u> | | Depth of Impact (inches BGS): _____ | |
| How was extent determined? | | | |
| On February 27, 2017, a historic release was discovered during plug and abandonment activities at the McCarty 28-6 production facility. Excavation and sampling activities are on-going and will be summarized in a forthcoming report. Groundwater was encountered in the excavation at approximately 12 feet below ground surface (bgs). A topographic map is attached as Figure 1. | | | |
| Soil/Geology Description: | | | |
| Weld loam, 1 to 3 percent slopes. | | | |
| Depth to Groundwater (feet BGS) <u>12</u> | | Number Water Wells within 1/2 mile radius: <u>0</u> | |
| If less than 1 mile, distance in feet to nearest | Water Well <u>4450</u> None <input type="checkbox"/> | Surface Water _____ None <input checked="" type="checkbox"/> | |
| | Wetlands _____ None <input checked="" type="checkbox"/> | Springs _____ None <input checked="" type="checkbox"/> | |
| | Livestock _____ None <input checked="" type="checkbox"/> | Occupied Building <u>1990</u> None <input type="checkbox"/> | |
| Additional Spill Details Not Provided Above: | | | |

CORRECTIVE ACTIONS

| | |
|--|--------------------------------------|
| #1 | Supplemental Report Date: 03/08/2017 |
| Cause of Spill (Check all that apply) <input type="checkbox"/> Human Error <input type="checkbox"/> Equipment Failure <input checked="" type="checkbox"/> Historical-Unknown | |
| <input type="checkbox"/> Other (specify) _____ | |
| Describe Incident & Root Cause (include specific equipment and point of failure) | |
| <div>A historic release was discovered below the produced water vessel during facility plug and abandonment activities.</div> | |
| Describe measures taken to prevent the problem(s) from reoccurring: | |
| <div>The facility was decommissioned and will not be rebuilt.</div> | |
| Volume of Soil Excavated (cubic yards): 460 | |
| 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): _____ | |
| Volume of Impacted Surface Water Removed (bbls): _____ | |

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 Professional | Date: 03/09/2017 |
| Email: Zack.Liesenfeld@pdce.com | |

COA Type

Description

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

Attachment Check List

Att Doc Num

Name

| | |
|-----------|-----------------|
| 401229414 | TOPOGRAPHIC MAP |
|-----------|-----------------|

Total Attach: 1 Files

General Comments

User Group

Comment

Comment Date

| | | |
|--|--|---------------------|
| | | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)