

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401465405

Date Received:

01/11/2018

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

452932

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> | Mobile: <u>(970) 373-6581</u> |
| Zip: <u>80203</u> | | Email: <u>Zack.Liesenfeld@pdce.com</u> |
| Contact Person: <u>Zack Liensenfeld</u> | | |

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401446203

Initial Report Date: 10/31/2017 Date of Discovery: 10/30/2017 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENE SEC 21 TWP 6n RNG 64w MERIDIAN 6

Latitude: 40.471750 Longitude: -104.546860

Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: PARTIALLY-BURIED VESSEL ☒ Facility/Location ID No 327372

☐ 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): Unknown

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

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): _____

Weather Condition: Sunny and Cold

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 discovered a reportable historical release while replacing the water vault at the McKee 32, 42-21. Current recovery efforts are mitigating impacts.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

| Date | Agency/Party | Contact | Phone | Response |
|------------|--------------|--------------|-------|----------------|
| 10/30/2017 | COGCC | Rick Allison | - | Via Email |
| 10/30/2017 | Weld County | Roy Rudisill | - | Via Email |
| 10/30/2017 | Land Owner | NA | - | Via Phone Call |

SPILL/RELEASE DETAIL REPORTS

| | | | |
|--|--------------------------------------|-------------------------------------|-------------------------------------|
| #1 | Supplemental Report Date: 01/11/2018 | | |
| FLUIDS | BBL's SPILLED | BBL's RECOVERED | Unknown |
| OIL | 0 | 0 | <input type="checkbox"/> |
| CONDENSATE | 0 | 0 | <input type="checkbox"/> |
| PRODUCED WATER | | | <input checked="" 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 checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature | | | |
| Surface Area Impacted: Length of Impact (feet): 85 | | Width of Impact (feet): 50 | |
| Depth of Impact (feet BGS): 5 | | Depth of Impact (inches BGS): _____ | |
| How was extent determined? | | | |
| <p>On October 30, 2017, historic hydrocarbon impacts were discovered beneath the produced water vessel during plug and abandonment activities at the McKee 32, 42-21 production facility. Between November 1 and November 13, 2017, approximately 1,320 cubic yards of impacted material were removed and transported to the North Weld Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. Eleven (11) soil samples were collected from the sidewalls of the excavation extent at approximately 4.5 feet below ground surface (bgs). Soil 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 United States Environmental Protection Agency (USEPA) Method 8260B, and TPH – diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated that constituent concentrations were below the applicable COGCC Table 910-1 standards in the nine (9) soil samples collected from the sidewalls of the final excavation extent. Groundwater was encountered in the excavation area at approximately 5 feet bgs. Between November 9 and November 20, 2017, approximately 3,306 barrels of groundwater were recovered from the excavation using a vacuum truck and transported to a licensed disposal facility. Vacuum recovery events were conducted on a daily basis during soil removal activities due to the high recharge from the shallow groundwater table. On November 20, 2017, one groundwater sample (GW01) was collected from the excavation area and submitted to Summit for analysis of BTEX by USEPA Method 8260B. Analytical results indicated that constituent concentrations were below COGCC groundwater standards. Based on the soil and groundwater analytical results, PDC is requesting a No Further Action (NFA) determination for this release.</p> | | | |
| Soil/Geology Description: | | | |
| Otero sandy loam, 1 to 3 percent slopes. | | | |

The excavation extent and soil and groundwater sample locations are illustrated on Figure 2. Soil and groundwater analytical data is summarized in Table 1 and Table 2, respectively. Laboratory reports are provided in Attachment A.

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------|
| 401465436 | TOPOGRAPHIC MAP |
| 401465589 | ANALYTICAL RESULTS |
| 401466438 | SITE MAP |

Total Attach: 3 Files

| <u>General Comments</u> | | |
|-------------------------|----------------|---------------------|
| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
| | | Stamp Upon Approval |

Total: 0 comment(s)