

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401206130

Date Received:

02/14/2017

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

449143

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

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401204276

Initial Report Date: 02/07/2017 Date of Discovery: 02/06/2017 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENE SEC 2 TWP 5N RNG 65W MERIDIAN 6

Latitude: 40.428890 Longitude: -104.623330

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

Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 322812

☐ 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): >=5 and <100

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: NON-CROP LAND

Other(Specify): _____

Weather Condition: Sunny 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):

An crude oil release was discovered within secondary containment at the Caraccioli 1. The release was from a damaged connection at the base of the production tank. Upon discovery the well was immediately shut in, a vac truck was called and current recovery efforts are mitigating impacts.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
2/6/2017	COGCC	Rick Allison	-	Via Email
2/6/2017	Weld County	Roy Rudisill	-	Via Email
2/6/2017	Landowner	NA	-	Via Phone Call

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 02/09/2017		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	72	30	<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	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): 52 Width of Impact (feet): 26

Depth of Impact (feet BGS): 8 Depth of Impact (inches BGS): _____

How was extent determined?

On February 6, 2017, approximately 72 barrels of oil were released within secondary containment at the Caraccioli 1 production facility. Approximately 30 barrels of released volume were subsequently recovered using a vacuum truck and transported to a licensed disposal facility. Approximately 478 cubic yards of material were excavated and transported to the North Weld County Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. Eight (8) soil samples (SS01 - SS08) were collected from the sidewalls and base of the final excavation extent at approximately 7 feet and 8 feet below ground surface (bgs), respectively. Soil samples were field screened for volatile organic compound (VOC) concentrations using a photoionization detector (PID). 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 USEPA Method 8260B, and TPH - diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated that constituent concentrations were below COGCC Table 910-1 soil standards in all eight (8) soil sample locations. The excavation extent and soil sample locations are illustrated on Figure 2. Soil analytical results are summarized in Table 1 and the laboratory reports are included as Attachment A. Based on the analytical data described herein, PDC is requesting a No Further Action (NFA) determination for this release.

Soil/Geology Description:

Nunn clay loam, 0 to 1 percent slopes.

Depth to Groundwater (feet BGS) 30 Number Water Wells within 1/2 mile radius: 13

If less than 1 mile, distance in feet to nearest	Water Well	1965	None	Surface Water	2495	None
	Wetlands		None <input checked="" type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
	Livestock		None <input checked="" type="checkbox"/>	Occupied Building	2390	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/09/2017

Cause 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 72 barrels of oil were released from a damaged connection at the base of the production tank.

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

The production tank and valve will be replaced and routine pressure and integrity tests will continue.

Volume of Soil Excavated (cubic yards): 478

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 (bbls): 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 Professional Date: 02/14/2017 Email: Zack.Liesenfeld@pdce.com

COA Type

Description

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401206130	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401206234	ANALYTICAL RESULTS
401206267	TOPOGRAPHIC MAP
401208150	SITE MAP
401213992	FORM 19 SUBMITTED

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)