

# State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400879453

Date Received:

08/07/2015

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

442677

## 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: <u>PDC ENERGY INC</u>	Operator No: <u>69175</u>	<b>Phone Numbers</b>
Address: <u>1775 SHERMAN STREET - STE 3000</u>		Phone: <u>(970) 506-9273</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 Liesenfeld</u>		

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400877827

Initial Report Date: 07/31/2015 Date of Discovery: 07/30/2015 Spill Type: Historical Release

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESE SEC 9 TWP 5N RNG 67W MERIDIAN 6Latitude: 40.412120 Longitude: -104.888890Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

#### Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 331536☐ 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? No

*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): UnknownEstimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): 0Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: \_\_\_\_\_

#### Land Use:

Current Land Use: CROP LAND

Other(Specify): \_\_\_\_\_

Weather Condition: SunnySurface Owner: FEEOther(Specify): Carolyn Warner

#### 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):

A damaged dump line was discovered upon investigation of a small product stain on the ground surface within containment of the Edwards site. After exposing the damaged line it was determined the amount of product released was greater than 5 bbls. Landowner was notified 7.30.2015.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
7/31/2015	COGCC	Rick Allison	-	Via email
7/31/2015	Weld County	Roy Rudisill	-	Via email
7/30/2015	Land owner	NA	-	Via email and phone

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 08/05/2015		
<b>FLUIDS</b>	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? 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): 30 Width of Impact (feet): 25

Depth of Impact (feet BGS): 20 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On July 30, 2015, a historic release was discovered during site investigation of surface staining at the Edwards 33, 43-9 production facility. Approximately 280 cubic yards of impacted material were removed and transported to the Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. The lateral and vertical extent of the excavation was guided by field screening of volatile organic compound (VOC) concentrations using a photoionization detector (PID). Six soil samples (SS01 – SS06) were collected from the base and sidewalls of the excavation area at approximately 20 feet and 16 feet below ground surface (bgs), respectively. Soil samples were submitted to Summit Scientific Laboratories in Golden, Colorado for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, and total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) by USEPA Method 8260, and TPH – diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated constituent concentrations were in exceedance of COGCC Table 910-1 standards in the soil sample (SS01) collected from the base of the excavation area. Constituent concentrations were below regulatory standards at the remaining five soil sample locations. Soil analytical results are summarized in Table 1 and the laboratory analytical reports are included as Attachment A. The excavation extent and soil sample locations are illustrated on Figure 2. Additional site assessment to delineate the vertical extent of remaining hydrocarbon impacts in soil will be summarized in a subsequent Form 27.

Soil/Geology Description:

Colby loam, 1 to 3 percent slopes

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

If less than 1 mile, distance in feet to nearest	Water Well	500	None	<input type="checkbox"/>	Surface Water	700	None	<input type="checkbox"/>
	Wetlands		None	<input checked="" type="checkbox"/>	Springs		None	<input checked="" type="checkbox"/>
	Livestock		None	<input checked="" type="checkbox"/>	Occupied Building	1185	None	<input type="checkbox"/>

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1	Supplemental Report Date:	08/05/2015
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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)

A historic dump line release was discovered during site investigation of surface staining.

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

Dump lines will be replaced and routine pressure testing will be completed.

Volume of Soil Excavated (cubic yards): 280

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:	08/07/2015
		Email:	Zack.Liesenfeld@pdce.com

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400879454	SITE MAP
400879455	ANALYTICAL RESULTS
400879789	TOPOGRAPHIC MAP
400881155	FORM 19 SUBMITTED

Total Attach: 4 Files

**General Comments**

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

Total: 0 comment(s)