

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400870178

Date Received:

07/17/2015

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

442474

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>	Phone Numbers
Address: <u>1775 SHERMAN STREET - STE 3000</u>		Phone: <u>(970) 5069273</u>
City: <u>DENVER</u>	State: <u>CO</u>	Mobile: <u>(970) 3736581</u>
Zip: <u>80203</u>		Email: <u>Zack.Liesenfeld@yahoo.com</u>
Contact Person: <u>Zachary Liesenfeld</u>		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400866001

Initial Report Date: 07/10/2015 Date of Discovery: 07/08/2015 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSE SEC 22 TWP 5N RNG 67W MERIDIAN 6Latitude: 40.378226 Longitude: -104.875893Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 331006☐ 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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): UnknownEstimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0Specify: Historic release located around the outside of water vault

Land Use:

Current Land Use: CROP LAND

Other(Specify): _____

Weather Condition: CloudySurface Owner: FEEOther(Specify): Harlen Hankins

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):

Historic release discovered around outside of produced water vault. Wells were shut, vault emptied, and excavation of contaminated material began. Soil encountered during excavation was field screened for VOC using a PID.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
7/10/2015	State of CO	Rick Allison	-	via email
7/10/2015	Weld County	Roy Rudesil	-	via email

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 07/17/2015		
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: Historic release			
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) <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): 60		Width of Impact (feet): 45	
Depth of Impact (feet BGS): 19		Depth of Impact (inches BGS):	
How was extent determined?			
<p>On July 8, 2015, a historic release was discovered during removal of a concrete produced water vault on Hankins 22-41, 42-44; 22D production facility. About 940 C.Y. of impacted material was removed and transported to the Waste Management Facility in Ault, CO for disposal. Soil encountered during excavation area was field screened for volatile organic compound (VOC) concentrations using a PID. Soil samples were collected from the side walls and base of the excavation area at depths ranging between 10-19 feet below ground surface (bgs). Soil samples were submitted to Summit Scientific Labs in Golden, CO for analysis of benzene, toluene, ethylbenzene, and total xylenes, naphthalene, and total petroleum hydrocarbons (THP)-gasoline range organics (GRO) by USEPA Method 8260B, and TPH-diesel range organics (DRO) by USEPA Method 8015. The soil sample (SS04) collected from the base of the final excavation extent below the former produced water vessel was also submitted for analysis of pH and electrical conductivity (EC). Analytical results indicated soil samples collected from the final extent of the excavation area exhibited constituent concentrations below COGCC Table 910-1 soil standards. Soil analytical data is summarized in Table 1 and the laboratory analytical reports are included as Attachment A. The excavation extent and soil samples locations are illustrated on Figure 2. Based on the soil analytical data described herein, PDC is requesting a NO Further Action (NFA) request for this release.</p>			
Soil/Geology Description:			
Colby loam, 3 to 5 percent slopes			
Depth to Groundwater (feet BGS) 33		Number Water Wells within 1/2 mile radius: 3	
If less than 1 mile, distance in feet to nearest		Water Well 550	None <input type="checkbox"/>
		Wetlands	None <input checked="" type="checkbox"/>
		Surface Water 1045	None <input type="checkbox"/>
		Springs	None <input checked="" type="checkbox"/>

Livestock _____ None ☒Occupied Building 780 None ☐

Additional Spill Details Not Provided Above:

PDC is requestion a produced water tank closure for this location, as described in the attached Form 27.

CORRECTIVE ACTIONS#1 Supplemental Report Date: 07/17/2015Cause 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 release was discovered during the removal of a concrete produced water vault.

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

The concrete vault will be replaced with a fiberglass produced water vault. Routine maintenance activies will be completed.

Volume of Soil Excavated (cubic yards): 940Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment
☐ Other (specify) _____Volume of Impacted Ground Water Removed (bbls): 0Volume 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: _____

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: _____ Print Name: Zachary LiesenfeldTitle: EHS Professional Date: 07/17/2015 Email: Zack.Liesenfeld@yahoo.com**Attachment Check List****Att Doc Num** **Name**

Att Doc Num	Name

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