

State of Colorado  
Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401203129

Date Received:

02/14/2017

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

448622

## 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: KERR MCGEE GATHERING LLC	Operator No: 47121	<b>Phone Numbers</b>
Address: PO BOX 173779		Phone: (970) 336-3500
City: DENVER	State: CO	Mobile: (970) 515-1238
Zip: 80217		Email: Sam.LaRue@anadarko.com
Contact Person: Sam LaRue		

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401163962

Initial Report Date: 12/08/2016 Date of Discovery: 12/08/2016 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 11 TWP 2N RNG 66W MERIDIAN 6

Latitude: 40.147148 Longitude: -104.750531

Municipality (if within municipal boundaries): County: WELD

#### Reference Location:

Facility Type: GAS GATHERING SYSTEM 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): 0

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): >=5 and <100

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: E&P Fluids

#### Land Use:

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

Weather Condition: Sunny, ~ 20 degrees

Surface Owner: OTHER (SPECIFY) Other(Specify): Kerr-McGee Gathering LLC

#### 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):

On December 8, 2016, a release occurred due to an equipment malfunction at the Platte Valley Gas Plant. The incident resulted in the release of approximately 6 barrels of E&P fluids outside of containment within the facility boundary. The release was controlled and recovery efforts were initiated. A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. Site assessment activities are ongoing and will be summarized in a forthcoming Supplemental Form 19 Release Report.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
12/8/2016	County	Roy Rudisill	-email	
12/8/2016	County	Troy Swain	-email	
12/8/2016	County	Tom Parko	-email	

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 02/13/2017		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<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	6	6	<input type="checkbox"/>

specify: E&P Fluids

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): 110 Width of Impact (feet): 60

Depth of Impact (feet BGS): 3 Depth of Impact (inches BGS):

How was extent determined?

On December 8, 2016, a release occurred due to a blockage caused by freezing temperatures and the pre-mature failure of a pressure release valve at the Platte Valley Gas Plant. The release material consisted of 6 barrels of E&P fluids, including amine. Excavation activities were initiated and approximately 27 cubic yards of impacted material were removed and transported to the Front Range Regional Landfill in Erie, Colorado. Twenty-eight (28) soil samples were collected from the sidewalls and base of the final extent of the excavation area at various depths. The soil samples were submitted to Origins Laboratory for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by USEPA Method 8260C, TPH - diesel and oil range organics (DRO and ORO) by USEPA 8015, electrical conductivity (EC), and pH. Soil analytical results indicated that constituent concentrations in soil samples collected from the sidewalls and base of the final extent of the excavation area were compliant with the applicable COGCC Table 910-1 standards, with the exception of pH values at multiple sample locations. The Platte Valley Gas Plant remains an active facility and is not used for any type of agricultural activity. Kerr-McGee is requesting that pH impacted soil be left in place pending decommissioning activities at this facility. Upon decommissioning of the facility, remaining pH impacted soil will be appropriately remediated. Groundwater was not encountered in the excavation. Soil analytical results are summarized in Table 1 and select soil sample locations are illustrated on Figure 2. Analytical laboratory reports are provided as Attachment A. Kerr-McGee is requesting a no further action determination (NFA) for this release.

Soil/Geology Description:

Road base.

Depth to Groundwater (feet BGS) 7 Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest Water Well 1310 None ☐ Surface Water          None ☒

Wetlands          None ☒ Springs          None ☒

Livestock 3270 None ☐ Occupied Building 460 None ☐

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/08/2017

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)

The release was caused by a blockage due to freezing temperatures and the pre-mature failure of a pressure release valve, which resulted in E&P fluids overflowing an impervious concrete containment.

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

Released fluids were contained inside the location and did not flow offsite. The release was controlled and recovery and cleanup efforts were initiated. A new pressure release valve was pressure tested and installed to replace the failed pressure release valve. Insulation and heat trace will be added to appropriate sections of exposed piping.

Volume of Soil Excavated (cubic yards): 27

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:

Kerr-McGee is requesting a no further action determination (NFA) for this release pending final reclamation.

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

Signed:    Print Name: Sam LaRue

Title: Senior HSE Representative Date: 02/14/2017 Email: Sam.LaRue@anadarko.com

**COA Type****Description**

	Based on the information presented, it appears that no further action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be impacted, then further investigation and/or further remediation activities may be required. In addition, the surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules at an appropriate time when the facility is decommissioned with particular note to potential re-vegetation issues that might arise from elevated soil pH.
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**Attachment Check List****Att Doc Num****Name**

401203129	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401207470	ANALYTICAL RESULTS
401207487	ANALYTICAL RESULTS
401207850	TOPOGRAPHIC MAP
401207875	SITE MAP
401212655	FORM 19 SUBMITTED

Total Attach: 6 Files

**General Comments****User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)