

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:

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

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 | | |
| FLUIDS | 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): 0

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

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------|
| 401207470 | ANALYTICAL RESULTS |
| 401207487 | ANALYTICAL RESULTS |
| 401207850 | TOPOGRAPHIC MAP |
| 401207875 | SITE MAP |

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)