

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401406011

Date Received:

12/21/2017

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

451308

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	Phone Numbers
Address: PO BOX 173779		Phone: (720) 929-6000
City: DENVER	State: CO Zip: 80217	Mobile: (720) 929-3721
Contact Person: Charles Chase		Email: Charles.Chase@anadarko.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401329524

Initial Report Date: 06/30/2017 Date of Discovery: 06/30/2017 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNE SEC 26 TWP 2N RNG 66W MERIDIAN 6

Latitude: 40.115727 Longitude: -104.743976

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: PIPELINE ☐ 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? No

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): 0 Estimated Condensate Spill Volume(bbl): >0 and <1

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: CROP LAND Other(Specify):

Weather Condition: Mostly cloudy, ~ 70 degrees F.

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):

On June 30, 2017, a release of at least 1 barrel of condensate occurred at the 16-80-40-4" Gathering Line when the line was struck during excavation activities. Emergency response personnel were notified and responded to the location. The affected line was isolated and controlled. Assessment and remediation activities are ongoing and will be summarized in a forthcoming Supplemental Form 19 Spill/Release Report. A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
6/30/2017	County	Roy Rudisill	-email	
6/30/2017	County	Troy Swain	-email	
6/30/2017	County	Tom Parko	-email	
6/30/2017	Private	Land owner	-in-person	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 12/21/2017		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	2	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): 750 Width of Impact (feet): 515

Depth of Impact (feet BGS): 0 Depth of Impact (inches BGS): 6

How was extent determined?

On June 30, 2017, a release of approximately 2 barrels of condensate occurred at the 16-80-40-4" Gathering Line when the line was struck during excavation backfilling activities. As a result of the line strike, two nearby buildings (a house and an equipment storage barn) were impacted by the spray release of condensate. Initial spill response included washing the exteriors of the buildings with water. Upon the homeowner informing KMG that a house window was open during the spray release, KMG contracted with a professional cleaning service to clean the entire interior of the house. The interior cleaning was completed as part of the response. Approximately 700 cubic yards of impacted material were removed via surface scraping in portions of the release area and transported to the Buffalo Ridge Landfill in Keenesburg, CO and the KMG Aggregate Recycling Facility in Weld County, CO. Remaining impacted vegetation and soils in the release area were treated through a Micro-Blaze Emergency Liquid Spill Control application. 111 confirmation grab soil samples (SS01 - SS104, SS11-R, SS25-R, SS29-R, SS66-R, SS78-R, SS89-R, SS90-R) and 41 confirmation composite soil samples (CS01 - CS40, CS13-R) were collected from the release area between 0 and 6 inches below ground surface. Soil samples were submitted to Origins Lab for analysis of BTEX, TPH-GRO by USEPA Method 8260C, and TPH-DRO & ORO by USEPA Method 8015. Soil analytical results indicate that constituent concentrations in the soil samples collected from the release area following soil scraping and Micro-Blaze treatment activities were below COGCC standards. Soil analytical results are presented in Table 1. Laboratory analytical reports are provided as Attachment A. A topographic Site Location Map is provided as Figure 1. Composite soil sample locations are shown on Figure 2. Grab soil sample locations are shown on Figure 3. Based on the analytical data provided herein, KMG is requesting a NFA determination for this release.

Soil/Geology Description:

Depth to Groundwater (feet BGS) <u>19</u>		Number Water Wells within 1/2 mile radius: <u>5</u>			
If less than 1 mile, distance in feet to nearest	Water Well	<u>290</u>	None <input type="checkbox"/>	Surface Water	<u>3220</u> None <input type="checkbox"/>
	Wetlands	<u></u>	None <input checked="" type="checkbox"/>	Springs	<u></u> None <input checked="" type="checkbox"/>
	Livestock	<u>470</u>	None <input type="checkbox"/>	Occupied Building	<u>350</u> None <input type="checkbox"/>

At the request of the adjacent property owner to the west, water samples were collected from two livestock troughs (North Trough and South Trough) located within or near the release area. The water samples were submitted to Origins Laboratory for analysis of BTEX by USEPA Method 8260C. Analytical results indicated that constituent concentrations in the water samples collected from the livestock troughs were below the applicable COGCC Table 910-1 standards. Water sample locations are illustrated on Figure 2, water analytical results are summarized in Table 2, and the laboratory analytical report is included in Attachment A.

#1	Supplemental Report Date:	10/24/2017
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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 gathering line was struck during excavation backfilling activities.

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

Utility locating procedures will be reviewed to identify actions to reduce recurrence. Kerr-McGee Gathering will increase oversight of utility locating activities prior to initiating subsurface work.

Volume of Soil Excavated (cubic yards): 700

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

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.

OPERATOR COMMENTS:

Signed: _____ Print Name: Charles Chase

Title: Staff HSE Representative Date: 12/21/2017 Email: Charles.Chase@anadarko.com

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401406440	ANALYTICAL RESULTS
401406457	TOPOGRAPHIC MAP
401407061	SITE MAP
401409138	ANALYTICAL RESULTS
401409208	SITE MAP

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)