

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

401332144

Date Received:

07/07/2017

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

451306

## 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 OIL &amp; GAS ONSHORE LP</u>	Operator No: <u>47120</u>	<b>Phone Numbers</b>
Address: <u>P O BOX 173779</u>		Phone: <u>(970) 336-3500</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80217-3779</u>
Contact Person: <u>Paul Schwarz</u>		Mobile: <u>( )</u>
		Email: <u>Paul.Schwarz@anadar ko.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401320575

Initial Report Date: 06/27/2017 Date of Discovery: 06/27/2017 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 33 TWP 5N RNG 67W MERIDIAN 6Latitude: 40.349113 Longitude: -104.905567Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

#### Reference Location:

Facility Type: FLOWLINE☐ 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): >=1 and <5Estimated 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: OTHEROther(Specify): Tank Battery PadWeather Condition: Sunny, 80°FSurface 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):

Upon excavating a surface stain at the Thompson 13-33 tank battery facility, a dumlaine with a corrosion hole was encountered. The volume of the release is unknown. Excavation activities are ongoing. The excavation details and analytical results will be summarized in a supplemental 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
6/27/2017	Weld County	Roy Rudisill	-	Notified via Email
6/27/2017	Weld County	Troy Swain	-	Notified via Email
6/27/2017	Weld County	Tom Parko	-	Notified via Email
6/27/2017	Landowner	Landowner	-	Notified via Certified Mail

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 07/07/2017		
<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? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
Secondary containment, <b>including walls &amp; floor regardless of construction material</b> , must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.			
<b>A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit</b>			
Impacted Media (Check all that apply) <input checked="" type="checkbox"/> Soil <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): 43		Width of Impact (feet): 16	
Depth of Impact (feet BGS): 4		Depth of Impact (inches BGS):	
How was extent determined?			
Between June 26 and 29, 2017, 9 soil samples were collected from the excavation and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicate that BTEX, TPH, pH, and EC concentrations and levels are in compliance with COGCC Table 910-1 allowable levels at the extent of the excavation. Groundwater was encountered in the excavation at approximately 2 feet to 4 feet below ground surface. Laboratory analytical results for excavation groundwater sample GW01, received on June 27, 2017, indicated that benzene exceeded the COGCC Table 910-1 allowable level at a concentration of 1,320 µg/L. Following the removal of approximately 150 barrels of impacted groundwater from the excavation, a second groundwater sample (GW02) was collected for BTEX analysis. Laboratory analytical results indicated that benzene exceeded the COGCC Table 910-1 allowable level at 16.4 µg/L. Approximately 110 cubic yards of impacted soil were excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado, for disposal. Prior to backfilling the excavation, 100 pounds of COGAC®, a carbon-based groundwater remediation product, was added to the excavation. The general site layout, excavation dimensions, and excavation soil and groundwater sample locations are depicted on the Excavation Site Map provided as Figure 2. The excavation soil and groundwater sample analytical results are summarized in Table 1 and Table 2, respectively. The laboratory analytical reports are attached.			
Soil/Geology Description:			
Fine to medium grained sand (SM) and sandy clay (CL).			

Depth to Groundwater (feet BGS) 4 Number Water Wells within 1/2 mile radius: 11

If less than 1 mile, distance in feet to nearest Water Well 2085 None ☐ Surface Water 800 None ☐

Wetlands 800 None ☐ Springs        None ☒

Livestock 400 None ☐ Occupied Building 330 None ☐

Additional Spill Details Not Provided Above:

Groundwater monitoring wells will be installed at the site to determine the extent and magnitude of the groundwater impacts and establish points of compliance.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 07/07/2017

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)

Upon excavating a surface stain at the Thompson 13-33 tank battery facility, a dumpline with a corrosion hole was encountered. The volume of the release is unknown.

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

The dumpline will be repaired and the site will be restored to pre-release grade.

Volume of Soil Excavated (cubic yards): 110

Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment

☐ Other (specify) \_\_\_\_\_

Volume of Impacted Ground Water Removed (bbls): 150

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: Paul Schwarz

Title: HSE Representative Date: 07/07/2017 Email: Paul.Schwarz@anadarko.com

## COA Type

## Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401332174	OTHER
401332176	TOPOGRAPHIC MAP
401332177	ANALYTICAL RESULTS
401333924	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)