

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:

400975694

Date Received:

01/25/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

444585

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>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>		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# 400972729

Initial Report Date: 01/18/2016 Date of Discovery: 01/15/2016 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESW SEC 30 TWP 3N RNG 67W MERIDIAN 6

Latitude: 40.193911 Longitude: -104.935524

Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

Reference Location:

Facility Type: TANK BATTERY  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): Unknown 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): 0 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: The volume of the release is unknown.

Land Use:

Current Land Use: OTHER Other(Specify): Tank Battery Pad

Weather Condition: Sunny, 30 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):

At the HSR-Rademacher 63N67W/30SESW location, an operator discovered a release from an oil bypass line due to a corrosion hole. An unknown volume of oil was released into the subsurface. During excavation activities, groundwater was encountered in the excavation at approximately 4 feet below ground surface. One excavation groundwater sample (GW01) was collected and submitted for laboratory analysis of BTEX. Laboratory analytical results received on January 15, 2016 indicated that benzene exceeded the CGWQS at 87.1 µg/L. Excavation soil and groundwater analytical results will be summarized in a supplemental report. A topographic Site Location Map showing the general location of the release is provided as Figure 1.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
1/15/2016	Weld County	Roy Rudisill	-	Notified via Email
1/15/2016	Weld County	Troy Swain	-	Notified via Email
1/15/2016	Weld County	Tom Parko	-	Notified via Email
1/15/2016	Landowner	Landowner	-	Notified via Phone

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 01/25/2016

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>0</u>	<u>0</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<input type="checkbox"/>

specify: The volume of the release is unknown.

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): 74 Width of Impact (feet): 33

Depth of Impact (feet BGS): 4 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On January 14, 2016, four soil samples (N01@3', E01@3', S01@3', and W01@3') were collected from the excavation sidewalls and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated the benzene concentration in sidewall soil sample S01@3' exceeded the COGCC Table 910-1 allowable level for benzene at a concentration of 0.223 mg/kg. Groundwater was encountered in the excavation at an approximate depth of 4 feet below ground surface. One groundwater sample (GW01) was collected from the excavation for BTEX analysis. The benzene concentration in sample GW01 exceeded the CGWQS for benzene at 87.1 µg/L. On January 21, 2016, following the removal of additional soil, five additional confirmation soil samples (E02@3', E03@3', S02@3', W02@3', and W03@3') were collected from the excavation sidewalls for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated that TPH, BTEX, pH, and EC levels were compliant with the COGCC Table 910-1 allowable levels at the extent of the excavation. Approximately 180 cubic yards of impacted soil were excavated and transported to the Front Range Regional Landfill in Erie, Colorado. Approximately 15 barrels of groundwater were pulled from the excavation and transported to a licensed injection facility. Prior to backfilling the excavation, 150 pounds of an activated carbon-based bioremediation product was applied to the groundwater and clean backfill through a series of lifts to ensure distribution through the phreatic and smear zones. The general site layout, excavation dimensions, and 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 Tables 1 and 2, respectively. The excavation soil and groundwater laboratory analytical reports are attached.

Soil/Geology Description:

Silty Clay

Depth to Groundwater (feet BGS) 4

Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest

Water Well 2100 None

Surface Water 430 None

Wetlands 20 None

Springs \_\_\_\_\_ None

Livestock 2650 None

Occupied Building 1000 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: 01/25/2016

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)

At the HSR-Rademacher 63N67W/30SESW location, an operator discovered a release from an oil bypass line due to a corrosion hole. An unknown volume of oil was released into the subsurface.

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

The bypass line will be replaced.

Volume of Soil Excavated (cubic yards): 180

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

Other (specify) \_\_\_\_\_

Volume of Impacted Ground Water Removed (bbls): 15

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: Sam LaRue

Title: Sr. HSE Representative Date: 01/25/2016 Email: Sam.LaRue@Anadarko.com

**COA Type**

**Description**

### Attachment Check List

<b>Att Doc Num</b>	<b>Name</b>
400977016	TOPOGRAPHIC MAP
400977018	ANALYTICAL RESULTS
400977019	ANALYTICAL RESULTS
400977021	OTHER
400977477	SITE MAP

Total Attach: 5 Files

### General Comments

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>

Total: 0 comment(s)