

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:

401435098

Date Received:

10/23/2017

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

453142

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>(720) 9294306</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-3779</u>		Mobile: <u>( )</u>
Contact Person: <u>Erik Mickelson</u>		Email: <u>erik.mickelson@anadar ko.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401430092

Initial Report Date: 10/16/2017 Date of Discovery: 10/13/2017 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESE SEC 7 TWP 1N RNG 67W MERIDIAN 6

Latitude: 40.059347 Longitude: -104.925269

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

Reference Location:

Facility Type: TANK BATTERY  Facility/Location ID No 446053  
 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 <5 Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0 Estimated Produced Water Spill Volume(bbl): >=1 and <5

Estimated Other E&P Waste Spill Volume(bbl): 0 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: \_\_\_\_\_

Land Use:

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

Weather Condition: 78F, sunny, light breeze

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 October 13, 2017, due to the volume of impacted soil removed from the Troutd 44-7 facility, a reportable release was reported to the COGCC. Historical impacts were discovered beneath the dump lines during P&A activities at this facility. Remediation assessment activities are ongoing, and additional details will be provided in a forthcoming Form 19 Supplemental Release Report.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
10/13/2017	COGCC	Chris Canfield	--email	
10/13/2017	Weld County	Roy Rudisill	--email	
10/13/2017	Weld County	Troy Swain	--email	
10/13/2017	Weld County	Tom Parko	--email	
10/14/2017	Landowner	Landowner	--phone call	

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 10/19/2017

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" type="checkbox"/>
CONDENSATE	_____	0	<input type="checkbox"/>
PRODUCED WATER	_____	_____	<input checked="" type="checkbox"/>
DRILLING FLUID	_____	0	<input type="checkbox"/>
FLOW BACK FLUID	_____	0	<input type="checkbox"/>
OTHER E&P WASTE	_____	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): 38 Width of Impact (feet): 20

Depth of Impact (feet BGS): 10 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On October 11, 2017, four sidewall samples and one base soil sample (S01@4', E01@4', W01@4', N01@4', and B01@6') were collected from the excavation for lab analysis of TPH, BTEX, pH, and EC. Lab results indicated additional excavation activities were needed to the north, east, and west sidewalls. On October 12, 2017, after additional excavation activities were conducted on the east sidewall, one soil sample (E02@5') was collected for lab analysis. Lab results indicated additional excavation activities were needed to the east sidewall. On October 13, 2017, after additional excavation activities five sidewall samples (E03@6', NE01@7', NW01@8', WS01@8', and S02@6') and one groundwater sample (GW01) were collected for analysis. Constituent concentrations of the soil sidewall samples were either not detectable at the lab's detection limit or below Table 910-1 allowable concentrations. Groundwater was encountered in the excavation at 10 feet below ground surface. The analytical results of the groundwater sample (GW01) detected benzene concentrations above Table 910-1 allowable concentrations. On October 16, 2017, after additional soil excavation activities and the removal of 100 bbls of water, two sidewall samples (WN01@7' and WS02@7') and one groundwater sample (GW02) were collected for lab analysis. Constituent concentrations of the two soil sidewall samples were either not detectable at the lab's detection limit or below Table 910-1 allowable concentrations. Lab analysis of all confirmation soil samples collected from the excavation's extent were either not detectable at the lab's detection limit or below Table 910-1 allowable concentrations. The pH and EC for the sidewall soil samples were within COGCC allowable thresholds. The analytical results of the groundwater sample (GW02) detected benzene concentrations above Table 910-1 allowable concentrations. Toluene, ethylbenzene, and xylenes were detected in the groundwater sample, but below Table 910-1.

Soil/Geology Description:

Site geology includes Colombo clay loam.

Depth to Groundwater (feet BGS) 10

Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

Water Well	<u>3141</u>	None <input type="checkbox"/>	Surface Water	<u>4718</u>	None <input type="checkbox"/>
Wetlands	<u>158</u>	None <input type="checkbox"/>	Springs	<u>218</u>	None <input type="checkbox"/>
Livestock		None <input checked="" type="checkbox"/>	Occupied Building	<u>3063</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Approximately 200 cubic yards of impacted soils were disposed of at the Front Range Landfill in Erie, CO. Additionally, approximately 100 bbls of water were removed from the excavation and disposed of at the Kerr-McGee Aggregate Recycling Facility (ARF) in Weld County, CO. Prior to backfilling the excavation, 50 pounds of Chemically Oxygenated Granular Activated Carbon (COGAC) was applied to the groundwater. All soil sample locations are depicted on Figure 2. Laboratory results for the soil and groundwater samples collected are attached as Tables 1 and 2, respectively.

**CORRECTIVE ACTIONS**

#1 Supplemental Report Date: 10/19/2017

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)

From October 11 through October 16, 2017, historical impacts were discovered while removing dump lines at the Troudt 44-7 facility. Environmental testing was conducted during removal activities. Due to the volume of impacted soil removed from the excavation the release was reported to the COGCC on 10/13/2017.

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

The facility is being P&A, and all associated equipment has been decommissioned and removed from the site.

Volume of Soil Excavated (cubic yards): 200

Disposition of Excavated Soil (attach documentation)  Offsite Disposal  Onsite Treatment  
 Other (specify) \_\_\_\_\_

Volume of Impacted Ground Water Removed (bbls): 100

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: Erik Mickelson  
 Title: Senior HSE Representative Date: 10/23/2017 Email: erik.mickelson@anadarko.com

**COA Type**

**Description**

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**Attachment Check List**

**Att Doc Num**

**Name**

401435098	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401435542	TOPOGRAPHIC MAP
401436662	ANALYTICAL RESULTS
401436665	SITE MAP
401437556	ANALYTICAL RESULTS
401478884	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)