

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

401099740

Date Received:

08/26/2016

Spill report taken by:

Spill/Release Point ID:

## SPILL/RELEASE REPORT (INITIAL /w 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>	Mobile: <u>(970) 515-1238</u>
Contact Person: <u>Sam LaRue</u>	Zip: <u>80217-3779</u>	Email: <u>Sam.LaRue@anadarko.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401099740

Initial Report Date: 08/26/2016 Date of Discovery: 08/24/2016 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNW SEC 30 TWP 3N RNG 66W MERIDIAN 6Latitude: 40.199599 Longitude: -104.827355Municipality (if within municipal boundaries): Platteville County: WELD

#### Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 446413☐ 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): >=1 and <5Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=1 and <5Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

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

#### Land Use:

Current Land Use: NON-CROP LAND

Other(Specify): \_\_\_\_\_

Weather Condition: Cloudy, 60sSurface 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 August 24, 2016, a release due to a corroded separator fire tube was discovered at the location associated with the Lorenz Federal L30-4, L30-3, and Lorenz L30-5 wells. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Approximately 50 cubic yards of impacted material were removed and transported to the Buffalo Range Landfill in Keenesburg, Colorado for disposal. Four (4) confirmation soil samples were collected from the sidewalls of the final extent of the excavation area at approximately 4 feet below ground surface (bgs). 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.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
8/24/2016	County	Troy Swain	----Email	
8/24/2016	County	Roy Rudisill	----Email	
8/24/2016	County	Tom Parko	----Email	
8/24/2016	Land Owner	Private	----Phone	
8/24/2016	City of Platteville	Troy Renken	----Email	

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 08/26/2016		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL			<input checked="" type="checkbox"/>
CONDENSATE			<input checked="" type="checkbox"/>
PRODUCED WATER			<input checked="" 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):		20	Width of Impact (feet): 13
Depth of Impact (feet BGS):		5	Depth of Impact (inches BGS): 0
How was extent determined?			
<p>On August 24, 2016, a release due to a corroded separator fire tube was discovered at the location associated with the Lorenz Federal L30-4, L30-3, and Lorenz L30-5 wells. Soil analytical results indicated that the constituent concentrations in soil samples collected from the sidewalls of the final extent of the excavation area were below the applicable COGCC Table 910-1 standards. Soil analytical results are summarized in Table 1 and the soil sample locations are illustrated on Figure 2. During excavation activities, groundwater was encountered in the excavation at approximately 5 feet bgs. A groundwater sample (GW01) was collected on August 24, 2016, and submitted to Origins Laboratory for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8260C. Analytical results received on August 25, 2016, indicated that the benzene and xylenes concentrations in sample GW01 were above the applicable COGCC Table 910-10 groundwater standards. A second groundwater sample (GW02) was collected on August 25, 2016, and submitted to Origins Laboratory for analysis of BTEX. Analytical results received on August 26, 2016, indicated that the benzene concentration remained above the applicable COGCC Table 910-1 standard. Groundwater analytical results are summarized in Table 2 and the groundwater sample locations are illustrated on Figure 2.</p>			
Soil/Geology Description:			

Depth to Groundwater (feet BGS) 5 Number Water Wells within 1/2 mile radius: 9

If less than 1 mile, distance in feet to nearest

Water Well	<u>396</u>	None <input type="checkbox"/>	Surface Water	<u>1935</u>	None <input type="checkbox"/>
Wetlands	<u></u>	None <input checked="" type="checkbox"/>	Springs	<u></u>	None <input checked="" type="checkbox"/>
Livestock	<u></u>	None <input checked="" type="checkbox"/>	Occupied Building	<u></u>	None <input checked="" type="checkbox"/>

\_\_\_\_\_

## CORRECTIVE ACTIONS

Cause of Spill (Check all that apply) ☐ Human Error ☒ Equipment Failure ☐ Historical-Unknown  
☐ Other (specify)

A corroded separator fire tube was discovered at the location and was determined to be the root cause of the release.

The separator and associated lines have been removed and will not be replaced.

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

Volume of Impacted Surface Water Removed (bbls): 0

## REQUEST FOR CLOSURE

Basis for Closure:

- ☐ Corrective Actions Completed (documentation attached)
- ☐ Work proceeding under an approved Form 27

Form 27 Remediation Project No:

**OPERATOR COMMENTS:**

Signed: \_\_\_\_\_ Print Name: Sam LaRue

Title: Senior HSE Representative Date: 08/26/2016 Email: Sam.LaRue@anadarko.com

<u>COA Type</u>	<u>Description</u>

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401100268	OTHER

Total Attach: 1 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)