

# 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:

401102615

Date Received:

09/02/2016

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

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401102615

Initial Report Date: 09/01/2016 Date of Discovery: 09/01/2016 Spill Type: Historical Release

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 32 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.177310 Longitude: -104.806134

Municipality (if within municipal boundaries): County: WELD

#### Reference Location:

Facility Type: OTHER ☐ 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): Unknown

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): Unknown

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

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

#### Land Use:

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

Weather Condition: Sunny; 80 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):

While performing an emissions upgrade at the Herman 1, L32-13JL, L32-14 tank battery facility, soil and groundwater with historical petroleum hydrocarbon impacts were encountered adjacent to the dumphines. There were no indications that the dumphines were leaking. The volume of the release is unknown. Groundwater was encountered in the excavation at approximately 6 feet below ground surface. A groundwater sample (GW01) was collected and submitted for laboratory analysis for BTEX. Laboratory analytical results received on September 1, 2016, indicated that benzene and total xylenes exceeded CGWQS at concentrations of 180 µg/L and 4,890 µg/L, respectively. The analytical results and excavation details are summarized in the 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
9/1/2016	Weld County	Roy Rudisill	-	Notified via Email
9/1/2016	Weld County	Tom Parko	-	Notified via Email
9/1/2016	Weld County	Troy Swain	-	Notified via Email
9/1/2016	Landowner	Landowner	-	Notified via Phone

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 09/01/2016		
<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>			
<i>Secondary containment, including walls &amp; floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
<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): <u>28</u>		Width of Impact (feet): <u>20</u>	
Depth of Impact (feet BGS): <u>6</u>		Depth of Impact (inches BGS): <u>6</u>	
How was extent determined?			
On August 31, 2016, four soil samples (N01@4', E01@4', S01@4', and W01@4') were collected from the excavation sidewalls and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated that TPH, BTEX, pH, and EC concentrations were in compliance with COGCC Table 910-1 allowable levels at the lateral extent of the excavation. Approximately 110 cubic yards of impacted soil were excavated and transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado. Approximately 55 barrels of impacted groundwater were recovered from the excavation and transported to a licensed injection facility. Prior to backfilling, one hundred pounds of COGAC®, a carbon-based bioremediation product, were applied to the open 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 report is attached.			
Soil/Geology Description:			
Well-graded sands (SW).			
Depth to Groundwater (feet BGS) <u>6</u>		Number Water Wells within 1/2 mile radius: <u>10</u>	
If less than 1 mile, distance in feet to nearest Water Well <u>925</u> None <input type="checkbox"/>		Surface Water <u>170</u> None <input type="checkbox"/>	

None ☒

Occupied Building 1200 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:	09/01/2016
----	---------------------------	------------

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)

While performing an emissions upgrade at the Herman 1, L32-13JI, L32-14 tank battery facility, soil and groundwater with historical petroleum hydrocarbon impacts were encountered adjacent to the dumphines. There were no indications that the dumphines were leaking.

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

The dumplines adjacent to the historical petroleum hydrocarbon impacts will be replaced 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) Kerr-McGee Land Treatment Facility

Volume of Impacted Ground Water Removed (bbls): 55

Volume of Impacted Surface Water Removed (bbbls): 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: 09/02/2016      Email: Paul.Schwarz@anadarko.com

### COA Type

### Description

## Attachment Check List

Att Doc Num

Name

401102959	OTHER
401102993	ANALYTICAL RESULTS
401103149	SITE MAP

Total Attach: 3 Files

**General Comments**

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

Total: 0 comment(s)