

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401543770

Date Received:

02/16/2018

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

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401543770

Initial Report Date: 02/13/2018 Date of Discovery: 02/13/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENE SEC 11 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.241442 Longitude: -104.735102

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? No

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:

Land Use:

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

Weather Condition: Cloudy, 40°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):

An operator discovered a corrosion hole in an oil tank at the Hatch UPRR 42-11 #1 tank battery. The volume of the release is unknown. The petroleum hydrocarbon impacted soil was excavated. Groundwater was encountered in the excavation at approximately 17 feet below ground surface. On February 12, 2018, groundwater sample GW01 was collected from the excavation and submitted for BTEX analysis. Laboratory analytical results indicated sample GW01 exceeded the COGCC Table 910-1 allowable levels for benzene and total xylenes. The excavation details and analytical results are summarized in the supplemental report. The 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
2/13/2018	Weld County	Roy Rudisill	-	Notified via Email
2/13/2018	Weld County	Tom Parko	-	Notified via Email
2/13/2018	Weld County	Troy Swain	-	Notified via Email
2/14/2018	Landowner	Landowner	-	Notified via Phone

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 02/16/2018		
FLUIDS	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>			
<i>Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
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) <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>22</u>		Width of Impact (feet): <u>14</u>	
Depth of Impact (feet BGS): <u>17</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
Between February 7 and 12, 2018, nine soil samples were collected from the excavation and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated that TPH, BTEX, pH, and EC concentrations and levels were in compliance with COGCC Table 910-1 allowable levels at the lateral extent of the excavation. Groundwater was encountered in the excavation at approximately 17 feet bgs. Laboratory analytical results indicated sample GW01 exceeded the COGCC Table 910-1 allowable levels for benzene and total xylenes at concentrations of 167 µg/L and 2,180 µg/L, respectively. Approximately 220 cubic yards of impacted soil were excavated and transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado. While backfilling the excavation, 100 pounds of COGAC®, a carbon-based groundwater remediation product, was applied to the clean backfill in a series of lifts in the capillary and phreatic horizons. 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 grained sand with clay (SC)			
Depth to Groundwater (feet BGS) <u>17</u>		Number Water Wells within 1/2 mile radius: <u>1</u>	

If less than 1 mile, distance in feet to nearest Water Well 1900 None ☐ Surface Water 4220 None ☐
Wetlands None ☒ Springs None ☒
Livestock 900 None ☐ Occupied Building 1980 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: 02/16/2018

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)

An operator discovered a corrosion hole in an oil tank at the Hatch UPRR 42-11 #1 tank battery. The volume of the release is unknown. The petroleum hydrocarbon impacted soil was excavated.

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

The oil tank will be replaced and the site will be restored to its pre-release grade.

Volume of Soil Excavated (cubic yards): 220

Disposition of Excavated Soil (attach documentation) ☐ Offsite Disposal ☐ Onsite Treatment
☒ Other (specify) Kerr-McGee Land Treatment Facility

Volume of Impacted Ground Water Removed (bbls): 0

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: Phil Hamlin

Title: Senior HSE Representative Date: 02/16/2018 Email: Phil.Hamlin@anadarko.com

COA Type

Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401544238	TOPOGRAPHIC MAP
401544258	OTHER
401547963	ANALYTICAL RESULTS
401548116	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)