

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:

400986943

Date Received:

02/12/2016

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 & GAS ONSHORE LP</u>	Operator No: <u>47120</u>	Phone Numbers
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# 400986943

Initial Report Date: 02/10/2016 Date of Discovery: 02/09/2016 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENW SEC 13 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.225381 Longitude: -104.727598

Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 326972
 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? Yes

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): <u>0</u>	Estimated Condensate Spill Volume(bbl): <u>0</u>
Estimated Flow Back Fluid Spill Volume(bbl): <u>0</u>	Estimated Produced Water Spill Volume(bbl): <u>Unknown</u>
Estimated Other E&P Waste Spill Volume(bbl): <u>0</u>	Estimated Drilling Fluid Spill Volume(bbl): <u>0</u>

Specify: _____

Land Use:

Current Land Use: CROP LAND Other(Specify): _____

Weather Condition: Partly Cloudy; 55 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):

A negative trend on the produced water vessel was detected by the operator during a site visit at the HSR 63N66W13SEW. Upon examination, a corrosion hole in the water dump line was discovered. The impacted soil was excavated. Groundwater was encountered in the excavation at approximately 7 feet below ground surface. A groundwater sample (GW01) was collected from the open excavation and submitted for laboratory analysis of BTEX. Laboratory analytical results, received on February 9, 2016, indicated that benzene, toluene, and total xylene concentrations exceeded the CGWQS at 3,630, 6,090, and 3,200 µg/L, respectively. The analytical results and excavation details are summarized below. A topographic Site Location Map showing the general location of the release is attached as Figure 1.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
2/9/2016	Roy Rudisill	Weld County	--Email	
2/9/2016	Troy Swain	Weld County	--Email	
2/9/2016	Tom Parko	Weld County	--Email	
2/9/2016	Landowner	Landowner	--Phone	

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 02/12/2016

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u> </u>	<u> </u>	<input checked="" 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: _____

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): 35 Width of Impact (feet): 25

Depth of Impact (feet BGS): 8 Depth of Impact (inches BGS): _____

How was extent determined?

Five sidewall soil samples (N01@5', E01@5', S01@5', W01@5', and W02@5') were initially collected from the excavation and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated that soil sample N01@5', which was collected from the northern sidewall of the excavation, exceeded the COGCC Table 910-1 allowable levels for TPH and benzene at 3,430 and 19.1 mg/kg, respectively. All other soil samples were compliant with allowable levels for TPH, BTEX, pH, and EC. Following removal of additional impacted soil from the northern sidewall of the excavation, soil sample N02@5' was collected and submitted for laboratory analysis. TPH, BTEX, pH, and EC levels in soil sample N02@5' were compliant with COGCC allowable levels. One excavation groundwater sample (GW01) was collected for laboratory analysis of BTEX. Laboratory analytical results for sample GW01 indicated that benzene, toluene, and total xylene concentrations exceeded the CGWQS at 3,630, 6,090, and 3,200 µg/L, respectively. Following the removal of 31 barrels of impacted groundwater, a second groundwater sample (GW02) was collected. Laboratory analytical results for sample GW02 indicated that benzene, toluene, and total xylene concentrations continued to exceed the CGWQS at 603, 1,930, and 3,040 µg/L, respectively. Approximately 190 cubic yards of impacted soil were removed from the excavation and transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado. Eight hundred pounds of COGAC®, a carbon-based bioremediation product, were applied to the excavation during backfilling. The general site layout, excavation dimensions, and soil and groundwater sample locations are shown on the Excavation Site Map provided as Figure 2. The soil and groundwater sample analytical results are summarized in Tables 1 and 2, respectively. The laboratory analytical reports are attached.

Soil/Geology Description:

Silty Fine Grain Sand

Depth to Groundwater (feet BGS) 7

Number Water Wells within 1/2 mile radius: 4

If less than 1 mile, distance in feet to nearest

Water Well 875 None

Surface Water 200 None

Wetlands _____ None

Springs _____ None

Livestock 980 None

Occupied Building 510 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. Additional details will be provided in a Form 27.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/12/2016

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)

A negative trend on the produced water vessel was detected by the operator during a site visit at the HSR 63N66W13SEW. Upon examination, a corrosion hole in the water dump line was discovered. Petroleum hydrocarbon impacted groundwater was encountered. The volume of the release is unknown.

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

The corroded line was removed from service and will be replaced with a new line.

Volume of Soil Excavated (cubic yards): 190

Disposition of Excavated Soil (attach documentation) Offsite Disposal Onsite Treatment
 Other (specify) offsite land treatment facility

Volume of Impacted Ground Water Removed (bbls): 31

Volume of Impacted Surface Water Removed (bbls): _____

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: Senior HSE Representative Date: 02/12/2016 Email: Sam.LaRue@Anadarko.com

COA Type

Description

--	--

Attachment Check List

Att Doc Num	Name
400988256	OTHER
400988258	TOPOGRAPHIC MAP
400988259	SITE MAP
400988296	ANALYTICAL RESULTS
400988749	ANALYTICAL RESULTS

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)