

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:

400865121

Date Received:

07/10/2015

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

442349

SPILL/RELEASE REPORT (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 Phone Numbers: (970) 336-3500 Address: P O BOX 173779 City: DENVER State: CO Zip: 80217-3779 Contact Person: Sam LaRue Mobile: (970) 515-1238 Email: Sam.LaRue@Anadarko.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400862624

Initial Report Date: 07/02/2015 Date of Discovery: 07/02/2015 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 25 TWP 2N RNG 67W MERIDIAN 6

Latitude: 40.103566 Longitude: -104.845464

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 317980 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): 0

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: Historical Release - Volume of the release is unknown.

Land Use:

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

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 [X] 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):

During abandonment activities at the Harold R Mixon Gas Unit-62N67W/25SW tank battery, petroleum hydrocarbon impacted groundwater was encountered while removing a produced water sump. There were no indications that the dumlines or produced water sump were leaking. The volume of the release is unknown. Groundwater was encountered in the excavation at approximately 5 feet below ground surface. One groundwater sample was collected and submitted for laboratory analysis for BTEX. Laboratory analytical results received on July 2, 2015 indicated that benzene and total xylenes concentrations exceeded the CGWQS at concentrations of 115 µg/L and 1,840 µg/L, respectively. The groundwater analytical results are summarized in Table 1. Excavation activities are ongoing at the site. The analytical results and excavation details will be provided in a supplemental report. 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
7/2/2015	Weld County	Tom Parko	-Email	
7/2/2015	Weld County	Roy Rudisill	-Email	
7/2/2015	Landowner	Landowner	-Phone	

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 07/10/2015

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	_____	_____	<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): 36 Width of Impact (feet): 35

Depth of Impact (feet BGS): 6 Depth of Impact (inches BGS): _____

How was extent determined?

Six confirmation sidewall soil samples (N01@4', E01@4', E02@4', S01@4', W01@4', and W02@4') 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 levels were less than or within COGCC Table 910-1 allowable levels at the excavation extent. Groundwater was encountered in the excavation at approximately 5 feet below ground surface. Laboratory results for the excavation groundwater sample (GW01) indicated that the benzene and total xylenes concentrations exceeded the CGWQS at concentrations of 115 µg/L and 1,840 µg/L, respectively. Approximately 280 cubic yards of impacted soil were removed from the excavation and transported to the Kerr-McGee land treatment facility in Weld County, Colorado for disposal. One hundred pounds of COGAC®, a carbon-based bioremediation product, were applied to the open excavation. The general site layout, excavation dimensions, and soil and groundwater sample locations are shown on the attached Figure 2. The groundwater and soil sample analytical results are summarized in Tables 1 and 2, respectively. The laboratory analytical reports are attached.

Soil/Geology Description:

Fine Grained Sand and Clayey Sand.

Depth to Groundwater (feet BGS) 5 Number Water Wells within 1/2 mile radius: 23

If less than 1 mile, distance in feet to nearest Water Well 350 None Surface Water 225 None

Wetlands _____ None

Springs _____ None

Livestock 390 None

Occupied Building 350 None

Additional Spill Details Not Provided Above:

A groundwater assessment will be conducted at the site to determine the extent and magnitude of groundwater impacts. Existing groundwater monitoring wells at the site from a previous groundwater investigation (COGCC Remediation #4352) will be utilized for this assessment. Details of the site assessment will be provided in a Form 27.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 07/10/2015

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)

During abandonment activities at the Harold R Mixon Gas Unit-62N67W/25SWSW tank battery, petroleum hydrocarbon impacted groundwater was encountered while removing a produced water sump. There were no indications that the dumlplines or produced water sump were leaking. The volume of the release is unknown.

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

The facility is being deconstructed.

Volume of Soil Excavated (cubic yards): 280

Disposition of Excavated Soil (attach documentation) Offsite Disposal Onsite Treatment

Other (specify) _____

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: Sam LaRue

Title: Sr. HSE Representative Date: 07/10/2015 Email: Sam.LaRue@Anadarko.com

COA Type

Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400865121	FORM 19 SUBMITTED
400865216	TOPOGRAPHIC MAP
400865217	OTHER
400865218	ANALYTICAL RESULTS
400865220	ANALYTICAL RESULTS
400866154	SITE MAP

Total Attach: 6 Files

General Comments

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

Total: 0 comment(s)