

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

400929495

Date Received:

11/05/2015

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

443884

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# 400929495

Initial Report Date: 11/03/2015 Date of Discovery: 11/02/2015 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 21 TWP 3N RNG 67W MERIDIAN 6

Latitude: 40.209790 Longitude: -104.903825

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

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 329337
 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: Historical Release - The volume of the release is unknown.

Land Use:

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

Weather Condition: Sunny, 60 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):

During deconstruction activities at the HSR-Redmond-63N67W/21NWSW tank battery, petroleum hydrocarbon impacted groundwater was encountered beneath the 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. An initial groundwater sample (GW01) was collected and submitted for laboratory analysis of BTEX. Laboratory analytical results received on November 2, 2015, indicated that the benzene concentration exceeded the CGWQS at a concentration of 5.1 µg/L. The analytical results and excavation details are summarized below. A topographic Site Location Map depicting 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
11/2/2015	Weld County	Roy Rudisill	-	Notified via Email
11/2/2015	Weld County	Troy Swain	-	Notified via Email
11/2/2015	Weld County	Tom Parko	-	Notified via Email
11/2/2015	Landowner	Landowner	-	Notified by Certified Mail

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 11/05/2015

FLUIDS	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	<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): 20 Width of Impact (feet): 15

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): _____

How was extent determined?

On October 30, 2015, following the removal of the produced water sump, a confirmation soil sample (N01@3.5') was collected from the excavation sidewall and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results for confirmation soil sample N01@3.5' indicated that TPH, BTEX, pH, and EC were in compliance with the COGCC Table 910-1 allowable levels. Groundwater was encountered in the excavation at a depth of approximately 5 feet below ground surface. Laboratory results for the initial excavation groundwater sample (GW01) indicated that benzene exceeded the CGWQS at a concentration of 5.1 µg/L. Approximately 24 barrels of impacted groundwater were removed from the excavation and transported to a licensed injection facility. Following the removal of impacted groundwater, a second groundwater sample (GW02) was collected from the excavation. Laboratory results for groundwater sample GW02 indicated that benzene continued to exceed the CGWQS. Approximately 10 cubic yards of impacted soil were excavated and transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado, for disposal. The general site layout, excavation dimensions, and 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 Tables 1 and 2, respectively. The excavation soil and groundwater laboratory analytical reports are attached.

Soil/Geology Description:

Fine to Medium Grained Sand.

Depth to Groundwater (feet BGS) 5 Number Water Wells within 1/2 mile radius: 5
 If less than 1 mile, distance in feet to nearest Water Well 1720 None Surface Water 500 None
 Wetlands 250 None Springs _____ None
 Livestock 2380 None Occupied Building 1700 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: 11/05/2015

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 deconstruction activities at the HSR-Redmond-63N67W/21NWSW tank battery, petroleum hydrocarbon impacted groundwater was encountered beneath the produced water sump. There were no indications that the dumplines or produced water sump were leaking. The volume of the release is unknown.

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

The Kerr-McGee facility will be deconstructed.

Volume of Soil Excavated (cubic yards): 10

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

Volume of Impacted Ground Water Removed (bbls): 24

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: Senior HSE Representative Date: 11/05/2015 Email: Sam.LaRue@Anadarko.com

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400929495	FORM 19 SUBMITTED
400929529	OTHER
400929581	ANALYTICAL RESULTS
400929610	ANALYTICAL RESULTS
400929996	TOPOGRAPHIC MAP
400930099	SITE MAP

Total Attach: 6 Files

General Comments

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

Total: 0 comment(s)