

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401102615

Date Received:

09/02/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

447556

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 INFORMATON

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator No: 47120 Address: P O BOX 173779 City: DENVER State: CO Zip: 80217-3779 Contact Person: Paul Schwarz Phone Numbers: (970) 336-3500 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 [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):

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 dumplines. There were no indications that the dumplines 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

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): 28 Width of Impact (feet): 20

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

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) 6 Number Water Wells within 1/2 mile radius: 10

If less than 1 mile, distance in feet to nearest Water Well 925 None Surface Water 170 None

Wetlands 1120 None

Springs _____ None

Livestock 1040 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 dumplines. There were no indications that the dumplines 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 (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: Paul Schwarz

Title: HSE Representative Date: 09/02/2016 Email: Paul.Schwarz@anadarko.com

COA Type

Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401102615	FORM 19 SUBMITTED
401102959	OTHER
401102993	ANALYTICAL RESULTS
401103149	SITE MAP

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)