

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400679246

Date Received:

09/05/2014

Spill report taken by:

CHESSON, BOB

Spill/Release Point ID:

438733

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: Phil Hamlin Mobile: (970) 515-1161 Email: phil.hamlin@anadarko.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400676395

Initial Report Date: 08/29/2014 Date of Discovery: 08/26/2014 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENW SEC 15 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.231925 Longitude: -104.764351

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No: 328075 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): 0 Estimated Condensate Spill Volume(bbl): >=1 and <5 Estimated Flow Back Fluid Spill Volume(bbl): 0 Estimated Produced Water Spill Volume(bbl): >=1 and <5 Estimated Other E&P Waste Spill Volume(bbl): 0 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

Land Use:

Current Land Use: CROP LAND Other(Specify): Weather Condition: Clear, 80 degrees 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):

On August 25, 2014, a historical release was discovered during tank battery decommissioning activities at the UPRC 15-6K, 15-3K site. There were no indications that the dump lines, water tank, or fittings were leaking, and the volume of the release is unknown. The tanks and associated lines were cleaned in preparation for decommissioning. A groundwater sample was collected and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX). Laboratory analytical results, received on August 26, 2014, indicated benzene concentrations above the COGCC Table 910-1 standards, making this release reportable. Groundwater analytical results are presented on the attached table and laboratory analytical report.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
8/26/2014	County	Roy Rudisill	-email	
8/26/2014	County	Tom Parko	-email	

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 09/04/2014

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE			<input checked="" type="checkbox"/>
PRODUCED WATER			<input checked="" 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? 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): 25 Width of Impact (feet): 20

Depth of Impact (feet BGS): 4 Depth of Impact (inches BGS): 0

How was extent determined?

On August 25, 2014, a historical release was discovered below the produced water sump at the UPRC 15-6K, 15-3K production facility. Approximately 100 cubic yards of impacted soil were excavated and transported to Buffalo Ridge Landfill in Keenesburg, Colorado for disposal. The lateral and vertical extent of the excavation was determined in the field by using a photoionization detector (PID) to measure volatile organic compound (VOC) concentrations in soil. Four soil samples were collected from the sidewalls of the final extent of the excavation at approximately 1 foot below ground surface (bgs). Soil samples were submitted to eAnalytics Laboratory in Loveland, Colorado for analysis of BTEX and TPH. Analytical results indicated constituent concentrations were below the applicable COGCC Table 910-1 standards in the four soil sample locations. Groundwater was encountered during excavation activities at approximately 2 feet bgs. A groundwater sample (GW01) was collected on August 25, 2014, and submitted for laboratory analysis of BTEX. Laboratory results indicated benzene concentrations were in exceedance of applicable regulatory standards. Approximately 320 barrels of groundwater were subsequently removed using a vacuum truck and transported to a licensed injection facility for disposal. On August 28, 2014, a second groundwater sample (GW02) was collected and submitted for laboratory analysis of BTEX. Analytical results indicated BTEX concentrations were in exceedance with applicable regulatory standards. Prior to back-filling the excavation, 200 pounds of activated carbon were introduced into the excavation area. Soil and groundwater analytical results are summarized in Table 1 and Table 2, respectively.

Soil/Geology Description:

Silty sand to silty clay.

Depth to Groundwater (feet BGS) 2 Number Water Wells within 1/2 mile radius: 11

If less than 1 mile, distance in feet to nearest Water Well 1315 None  Surface Water 1975 None

Wetlands \_\_\_\_\_ None

Springs \_\_\_\_\_ None

Livestock 1750 None

Occupied Building 2500 None

Additional Spill Details Not Provided Above:

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 09/04/2014

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)

The release is historical. There was no indications that the dump lines, water tank, or fittings were leaking. All associated fittings were tight and working properly. Consequently, the volume and cause of the release is unknown.

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

The tank battery will be rebuilt in a new location with a geosynthetic liner, poly drain lines, and a double walled fiberglass produced water tank.

Volume of Soil Excavated (cubic yards): 100

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

Volume of Impacted Ground Water Removed (bbls): 320

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: \_\_\_\_\_

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: 09/05/2014 Email: phil.hamlin@anadarko.com

### Attachment Check List

Att Doc Num	Name
400679406	TOPOGRAPHIC MAP
400679412	FORM 19 SUBMITTED
400679853	ANALYTICAL RESULTS
400680639	SITE MAP

Total Attach: 4 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

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

Total: 0 comment(s)