

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

400726653

Date Received:

11/10/2014

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

439681

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: <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) 515-1161</u>
Contact Person: <u>Phil Hamlin</u>		Email: <u>phil.hamlin@anadarko.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400722328

Initial Report Date: 11/03/2014 Date of Discovery: 10/31/2014 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWNE SEC 22 TWP 1N RNG 67W MERIDIAN 6

Latitude: 40.040113 Longitude: -104.872339

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

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 317879
 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): 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): _____

Weather Condition: 60's, Sunny

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):

On October 30, 2014, a historical release was discovered while closing the produced water sump at the Albert Sack Unit 1 production facility. Approximately 240 cubic yards of impacted soil have been removed and transported to the Kerr-McGee land treatment facility in Weld County, Colorado for disposal. Groundwater was encountered in the excavation area at approximately 10 feet below ground surface (bgs). A groundwater sample (GW01) was collected and submitted to Origins Laboratory in Denver, Colorado for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8260B. Analytical results received on October 31, 2014, indicated benzene, toluene, and total xylenes were in exceedance of the applicable COGCC Table 910-1 groundwater standards, causing this release to be state reportable. Groundwater analytical results are summarized in the attached Table 1 and laboratory analytical report.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
10/31/2014	County	Roy Rudisill	--Email	
10/31/2014	County	Tom Parko	--Email	

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 11/10/2014

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): 55 Width of Impact (feet): 40

Depth of Impact (feet BGS): 10 Depth of Impact (inches BGS): _____

How was extent determined?

A historical release was discovered during the abandonment of the produced water sump at the Albert Sack Unit 1 production facility. Approximately 500 cubic yards of impacted material were removed and transported to the Front Range Regional Landfill in Erie, Colorado. The lateral and vertical extents of the excavation were determined in the field using a photoionization detector (PID) to measure volatile organic compounds (VOCs) in soil. Six soil samples were collected from the sidewalls of the final extent of the excavation at approximately 8 feet below ground surface (bgs). Soil samples were submitted to Origins Laboratory in Denver, Colorado for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), and total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by USEPA Method 8260B, and TPH - diesel range organics (DRO) and oil range organics (ORO) by USEPA Method 8015. Analytical results indicated constituent concentrations were below the applicable COGCC Table 910-1 standards in the soil samples collected from the final excavation extent. Groundwater was encountered in the excavation area at approximately 10 feet bgs. On October 30, 2014, a groundwater sample (GW01) was collected from the excavation area and submitted for laboratory analysis of BTEX. Analytical results indicated BTEX concentrations in GW01 were in exceedance of applicable Table 910-1 standards. Approximately 80 barrels of impacted groundwater were subsequently removed using a vacuum truck and transported to a licensed injection facility for disposal. On November 5, 2014, a second groundwater sample (GW02) was collected and analytical results indicated constituent concentrations remained in exceedance of regulatory standards. Prior to backfilling, approximately 264 pounds of activated carbon were introduced to the excavation area. A subsequent Form 27 will be submitted outlining a proposed remedial strategy to address remaining dissolved aqueous phase hydrocarbon impacts.

Soil/Geology Description:

Silty sand and silty clay

Depth to Groundwater (feet BGS) 10 Number Water Wells within 1/2 mile radius: 19
 If less than 1 mile, distance in feet to nearest Water Well 1105 None Surface Water 932 None
 Wetlands _____ None Springs _____ None
 Livestock 1280 None Occupied Building 1415 None

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 11/10/2014

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)

A historical release was discovered during the abandonment of a produced water sump. The release volume is unknown.

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

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

Volume of Soil Excavated (cubic yards): 500

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

Volume of Impacted Ground Water Removed (bbls): 80

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: 11/10/2014 Email: phil.hamlin@anadarko.com

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400726653	FORM 19 SUBMITTED
400726659	TOPOGRAPHIC MAP
400726660	ANALYTICAL RESULTS
400727144	SITE MAP

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)