

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:

400838196

Date Received:

05/27/2015

Spill report taken by:

CHESSON, BOB

Spill/Release Point ID:

441557

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

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400826939

Initial Report Date: 04/17/2015 Date of Discovery: 04/17/2015 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENW SEC 5 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.254158 Longitude: -104.801788

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 336632
☐ 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? No

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: Historical Release - Volume of the release is unknown.

Land Use:

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

Weather Condition: Cloudy and Rain, 35 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):

Soil with historical petroleum hydrocarbon impacts was encountered beneath the water sump while deconstructing the UPRC Federal 5 -3K, 5-4K, 5-5K, 5-6K tank battery. There was no indication that the dumlplines or water tank were leaking. The volume of the release is unknown. The petroleum hydrocarbon impacted soil is being excavated. Groundwater was encountered in the excavation at approximately 5 feet bgs. Laboratory analytical results received on April 17, 2015 confirmed benzene impacts to groundwater above the CGWQS at a concentration of 5.2 µg/L. The groundwater analytical results are summarized in Table 1. Additional soil and groundwater samples will be collected from the excavation. 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
4/17/2015	County/Municipality	Tom Parko	-Email	
4/17/2015	County/Municipality	Roy Rudisill	-Email	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 05/27/2015		
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): 15 Width of Impact (feet): 15

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

How was extent determined? _____

Four excavation sidewall soil samples (N01@4', E01@4', S01@4', and W01@4') were submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results for the soil samples indicate that TPH, BTEX, pH, and EC are in compliance with the COGCC Table 910-1 allowable levels at the extent of the excavation. 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 5.2 µg/L. Standing groundwater from the excavation extent was removed and transported to a licensed injection facility for disposal. Following the removal of impacted groundwater, a second groundwater sample (GW02) was collected from the excavation. Laboratory results for groundwater sample GW02 indicated that BTEX concentrations were less than the CGWQS. Approximately 20 cubic yards of impacted soil were excavated and transported to a licensed disposal facility. Approximately 10 barrels of impacted groundwater were removed from the excavation and transported to a licensed injection facility for disposal. The general site layout, excavation dimensions, and soil and groundwater sample locations are shown on the Excavation Site Map attached 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:

Gravel, Sand, and Clay.

Depth to Groundwater (feet BGS) 5 Number Water Wells within 1/2 mile radius: 9

If less than 1 mile, distance in feet to nearest Water Well 230 None ☐ Surface Water 200 None ☐

Wetlands 4700 None ☐ Springs _____ None ☒

Livestock 3000 None ☐Occupied Building 2380 None ☐

Additional Spill Details Not Provided Above:

No further action is required. Laboratory analytical results for confirmation soil samples N01@4', E01@4', S01@4', and W01@4' indicate that TPH, BTEX, pH, and EC levels at the extent of the excavation are in compliance with COGCC Table 910-1 allowable levels. Laboratory analytical results indicated that the initial groundwater sample (GW01) had a low level concentration of benzene at 5.2 µg/L. Following the removal of impacted groundwater from the excavation extent, laboratory analytical results for groundwater sample GW02 indicate that BTEX concentrations are in compliance with the CGWQS. Based on the soil and groundwater laboratory analytical results, Kerr-McGee is requesting a NFA status for this site. A sump excavation letter report is attached.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/27/2015

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)

Soil with historical petroleum hydrocarbon impacts was encountered beneath the water sump while deconstructing the UPRC-63N66W /5SEW tank battery. There was no indication that the dumlins or water tank 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): 20

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

Volume of Impacted Ground Water Removed (bbls): 10Volume 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: Sam LaRueTitle: Sr. HSE Representative Date: 05/27/2015 Email: Sam.LaRue@anadarko.com

Attachment Check List

Att Doc Num	Name
400838202	TOPOGRAPHIC MAP
400838203	OTHER
400838205	ANALYTICAL RESULTS
400838207	ANALYTICAL RESULTS
400838508	SITE MAP
400840705	OTHER

Total Attach: 6 Files

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)