

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:

400851746

Date Received:

06/12/2015

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

442198

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

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400851746

Initial Report Date: 06/10/2015 Date of Discovery: 06/10/2015 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNE SEC 35 TWP 4N RNG 67W MERIDIAN 6

Latitude: 40.273035 Longitude: -104.855095

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

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 332574
 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: Historical release - Volume of the release is unknown

Land Use:

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

Weather Condition: Sunny, 90 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):

Following construction activities at the HSR-Sharkey-64N67W/35SWNE 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. Groundwater was encountered in the excavation at approximately 3 feet bgs. One groundwater sample was collected and submitted for laboratory analysis of BTEX. Laboratory analytical results received on June 10, 2015, indicated that the benzene concentration exceeded the CGWQS at a concentration of 66.5 µg/L. The groundwater analytical results are summarized in Table 1. On June 10, 2015, 50 lbs. of COGAC, a carbon-based bioremediation product were applied to the open excavation. 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
6/10/2015	County/Municipality	Tom Parko	-Email	
6/10/2015	Town of Milliken	Martha Perkins	-Email	
6/10/2015	County/Municipality	Roy Rudisill	-Email	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date:			
	06/10/2015			
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): 4 Depth of Impact (inches BGS): _____

How was extent determined?

Four sidewall soil samples (N01@2.5', E01@2.5', S01@2.5', and W01@2.5') were collected and submitted for the laboratory analysis of BTEX, TPH, pH, and EC. Laboratory analytical results received on June 11, 2015, indicated that BTEX, TPH, pH, and EC levels were in compliance with COGCC Table 910-1 allowable levels at the extent of the excavation. Groundwater was encountered in the excavation at an approximate depth of 3 feet bgs. One groundwater sample (GW01) was collected from the open excavation and submitted for laboratory analysis of BTEX. Laboratory analytical results for the excavation groundwater sample received on June 10, 2015 indicated that the benzene concentration exceeded the CGWQS at a concentration of 66.5 µg/L. On June 10, 2015, approximately 5 barrels of impacted groundwater were removed from the excavation and transported to a licensed injection facility for disposal. Fifty pounds of COGAC, a carbon-based bioremediation product, were applied to the open excavation. Approximately 34 cubic yards of soil were excavated and transported to a licensed disposal facility. The general site layout, excavation dimensions, and soil and groundwater sample locations are shown on the Site Map attached as Figure 2. The excavation soil and groundwater sample analytical results are summarized in Tables 1 and 2, respectively. The laboratory analytical report is attached.

Soil/Geology Description:

Well graded gravely sands with inclusions of clay layers.

Depth to Groundwater (feet BGS) 3 Number Water Wells within 1/2 mile radius: 13

If less than 1 mile, distance in feet to nearest Water Well 215 None Surface Water 940 None

Wetlands 120 None Springs 560 None
Livestock _____ None Occupied Building 1910 None

Additional Spill Details Not Provided Above:

Prior to backfilling the excavation, 50 lbs. of COGAC, a carbon-based bioremediation product, were applied to the open excavation. 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: 06/10/2015

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)

Following construction activities at the HSR-Sharkey-64N67W/35SWNE tank battery, petroleum hydrocarbon impacted groundwater was encountered beneath the produced water sump. There were no indication 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 produced water sump will be replaced and a liner will be installed under the new produced water sump.

Volume of Soil Excavated (cubic yards): 34

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

Volume of Impacted Ground Water Removed (bbls): 5

Volume of Impacted Surface Water Removed (bbls): _____

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: Phil Hamlin

Title: Senior HSE Representative Date: 06/12/2015 Email: Phil.Hamlin@Anadarko.com

COA Type

Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400851746	FORM 19 SUBMITTED
400852162	ANALYTICAL RESULTS
400852163	OTHER
400852164	OTHER
400852432	OTHER
400852489	TOPOGRAPHIC MAP
400852490	SITE MAP

Total Attach: 7 Files

General Comments

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

Total: 0 comment(s)