

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:

400994504

Date Received:

02/29/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

444785

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) 515-1238</u>
Contact Person: <u>Sam LaRue</u>		Email: <u>Sam.LaRue@anadarko.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400986470

Initial Report Date: 02/10/2016 Date of Discovery: 02/09/2016 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 12 TWP 2N RNG 66W MERIDIAN 6

Latitude: 40.148690 Longitude: -104.732188

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

Reference Location:

Facility Type: TANK BATTERY 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): 0

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: NON-CROP LAND Other(Specify): _____

Weather Condition: 40'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 February 9, 2016, hydrocarbon impacts were discovered during construction activities at the Highway-62N66W12NWSW production facility. Excavation activities are on-going and are being guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Approximately 400 cubic yards of impacted material have been excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado for disposal. Confirmation soil samples will be collected from the final extent of the excavation area. Site investigation and excavation activities will be summarized in a subsequent Supplemental Form 19.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
2/9/2016	County	Roy Rudisill	--Email	
2/9/2016	County	Troy Swain	--Email	
2/9/2016	County	Tom Parko	--Email	
2/9/2016	Private	Land Owner	--Phone	

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 02/23/2016

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input 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): 97 Width of Impact (feet): 65

Depth of Impact (feet BGS): 9 Depth of Impact (inches BGS): _____

How was extent determined?

On February 9, 2016, hydrocarbon impacts were discovered during construction activities at the Highway-62N66W12NWSW production facility. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Approximately 980 cubic yards of impacted material were excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado for disposal. 21 confirmation soil samples were collected from the base and sidewalls of the final extent of the excavation area at depths ranging from 5 feet to 9 feet below ground surface (bgs). The soil samples were submitted to Origins Laboratory in Denver, Colorado for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by USEPA Method 8260C, TPH - diesel and oil range organics (DRO and ORO) by USEPA Method 8015, electrical conductivity (EC), and pH. Analytical results indicated that organic concentrations in soil samples collected from the final extent of the excavation were below the applicable COGCC Table 910-1 standards. Soil samples W02@7' and E04@7' exhibited a pH above regulatory standards but were collected from below the designated root zone. Based on the analytical results, Kerr-McGee is requesting a No Further Action (NFA) determination for this release. The excavation area will be backfilled and contoured to match pre-existing conditions. Soil analytical results are summarized in Table 1 and soil sample locations are illustrated in Figure 2.

Soil/Geology Description:

Silty clay to clay.

Depth to Groundwater (feet BGS) 10 Number Water Wells within 1/2 mile radius: 18
 If less than 1 mile, distance in feet to nearest Water Well 390 None Surface Water 320 None
 Wetlands None Springs None
 Livestock 500 None Occupied Building 535 None

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/23/2016

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)

The initial release appears to be related to a failure associated with a partially buried produced water vessel. During construction and remediation activities, additional historical hydrocarbons impacts were discovered.

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

The tank battery will be rebuilt with a geosynthetic liner and a double walled fiberglass sump.

Volume of Soil Excavated (cubic yards): 980

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

Volume of Impacted Ground Water Removed (bbls): 0

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: Sam LaRue
 Title: Senior HSE Representative Date: 02/29/2016 Email: Sam.LaRue@anadarko.com

<u>COA Type</u>	<u>Description</u>
	Based on review of information presented it appears that no further action is necessary at this time. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400994504	FORM 19 SUBMITTED
400994535	TOPOGRAPHIC MAP
400996403	SITE MAP
400996418	ANALYTICAL RESULTS

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)