

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:

400958255

Date Received:

01/07/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

444312

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>	Mobile: <u>(970) 515-1238</u>
Zip: <u>80217-3779</u>		Email: <u>Sam.LaRue@Anadarko.com</u>
Contact Person: <u>Sam LaRue</u>		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400950706

Initial Report Date: 12/09/2015 Date of Discovery: 12/09/2015 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWNE SEC 13 TWP 3N RNG 67W MERIDIAN 6Latitude: 40.225161 Longitude: -104.834882Municipality (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? 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? Yes

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): >=5 and <100Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=5 and <100Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0Specify: Approximately 31 barrels of oil and 10 barrels of water were released into lined containment.

Land Use:

Current Land Use: OTHEROther(Specify): Tank BatteryWeather Condition: Sunny, 50 degrees FSurface 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):

During a routine site visit regarding a recent equipment upgrade associated with the Pogg-63N67W/13SENE tank battery, an operator discovered two pinhole leaks at the bottom of an oil tank onsite. Approximately 31 barrels of oil and 10 barrels of water were released into lined containment. A hydro-vacuum rig was utilized to recover approximately 22.5 barrels of oil and 5 barrels of water. The remaining impacted pea gravel/road base will also be recovered utilizing a hydro-vacuum rig. Confirmation soil samples will be collected from the release area or excavation, as applicable. 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 provided as Figure 1.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
12/9/2015	Weld County	Roy Rudisill	-	Notified via Email
12/9/2015	Weld County	Troy Swain	-	Notified via Email
12/9/2015	Weld County	Tom Parko	-	Notified via Email
12/9/2015	Landowner	Landowner	-	Notified via Phone

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 01/07/2016		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	31	23	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	10	5	<input 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: Approximately 22.5 barrels of oil and 5 barrels of water were recovered.

Was spill/release completely contained within berms or secondary containment? YES 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): 43 Width of Impact (feet): 37

Depth of Impact (feet BGS): 1 Depth of Impact (inches BGS):

How was extent determined?

The soil and gravel above the containment liner was hydro-excavated and the liner was removed. On December 18, 2015, five confirmation soil samples (B01@1' through B05@1') were collected from the base of the shallow excavation and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated that the TPH, BTEX, pH, and EC concentrations were compliant with the COGCC Table 910-1 allowable levels in all five soil samples. Approximately 90 cubic yards of soil was excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado. The hydro-excavated soil slurry was taken to Waste Management's CSI facility in Bennett, Colorado. The general site layout, release location, excavation dimensions, and soil sample locations are depicted on the Excavation Site Map provided as Figure 2. The soil sample analytical results are summarized in Table 1 and the laboratory analytical report is attached.

Soil/Geology Description:

Fine to medium grained sand and sandy clay.

Depth to Groundwater (feet BGS) 10 Number Water Wells within 1/2 mile radius: 20

If less than 1 mile, distance in feet to nearest Water Well 425 None ☐ Surface Water 120 None ☐

☒

Springs	None
---------	------

Occupied Building	270	None	<input type="checkbox"/>
-------------------	-----	------	--------------------------

No further action is required. Laboratory analytical results for the confirmation soil samples indicated that TPH, BTEX, pH, and EC concentrations were in compliance with COGCC Table 910-1 allowable levels at the extent of the excavation. Based on the confirmation soil sample analytical results, Kerr-McGee is requesting an NFA status for this site.

CORRECTIVE ACTIONS

#1	Supplemental Report Date:	01/07/2016
----	---------------------------	------------

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)

During a routine site visit following a recent equipment upgrade at the Pogg-63N67W/13SENE tank battery, an operator discovered two pinhole leaks in the bottom of an oil tank. Approximately 31 barrels of oil and 10 barrels of water were released into lined containment.

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

The oil tank will be replaced.

Volume of Soil Excavated (cubic yards): 90

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 (bbbls): 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: Sr. HSE Representative Date: 01/07/2016 Email: Sam.LaRue@Anadarko.com

COA Type

Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400958255	FORM 19 SUBMITTED
400958304	TOPOGRAPHIC MAP
400958305	ANALYTICAL RESULTS
400958306	OTHER
400960487	ANALYTICAL RESULTS
400960587	SITE MAP

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	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.	1/7/2016 2:01:48 PM

Total: 1 comment(s)