

State of Colorado Oil and Gas Conservation Commission

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400964993

Date Received:

01/08/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

444485

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
Address: P O BOX 173779		Phone: (970) 336-3500
City: DENVER	State: CO	Zip: 80217-3779
Contact Person: Phillip Hamlin		Mobile: ()
		Email: Phil.Hamlin@Anadarko.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400961784

Initial Report Date: 12/30/2015 Date of Discovery: 12/29/2015 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 32 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.178252 Longitude: -104.810461

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: OTHER

☐ 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? No

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

Estimated Oil Spill Volume(bbl): >0 and <1

Estimated Condensate Spill Volume(bbl): >0 and <1

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): 0

Estimated Other E&P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: Less than 1 barrel of oil and condensate misted onto the ground surface.

Land Use:

Current Land Use: OTHER

Other(Specify): Tank Battery

Weather Condition: Sunny; 20 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):

A pressure release valve popped on a separator at the UPRC-63N66W/31SESE tank battery, resulting in the release of less than 1 barrel of condensate and oil. The condensate and oil misted outside of containment and settled onto the ground surface and settled onto a snow and ice-covered pond. Site investigation and cleanup activities are ongoing at the site. Following removal of the snow and ice from the pond, a surface water sample will be collected and submitted for laboratory analysis of BTEX. Confirmation soil samples will be collected from the release area and will be submitted for laboratory analysis of TPH, BTEX, pH, EC, and SAR (if applicable). The analytical results will be provided in a supplemental report. A topographic Site Location Map depicting 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
12/29/2015	Weld County	Roy Rudisill	-	Notified via Email
12/29/2015	Weld County	Tom Parko	-	Notified via Email
12/30/2015	Landowner	Landowner	-	Notified via Phone

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 01/08/2016		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	1		<input checked="" type="checkbox"/>
CONDENSATE	1		<input checked="" type="checkbox"/>
PRODUCED WATER	0	0	<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: Less than 1 barrel of oil and condensate misted onto the ground surface.

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): 140 Width of Impact (feet): 80

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

How was extent determined?

On December 31, 2015, three surface soil samples (SS01 through SS03) were collected within the release area outside of the containment berm and submitted for laboratory analysis of TPH, BTEX, pH, and EC. In addition, one background soil sample (BG01) was collected outside the release area for pH analysis. Laboratory analytical results indicated that the TPH, BTEX, pH, and EC levels in surface soil samples SS01 through SS03 were compliant with the COGCC Table 910-1 allowable levels. The pH result for background soil sample BG01 was 8.76, indicating naturally elevated pH concentrations in the native soil. One surface water sample (SW01) was collected from the pond for BTEX analysis and concentrations were less than the laboratory reporting limit of 1.0 µg/L. On January 6, 2016, three soil samples (B01@4", B02@4", and B03@4") were collected from the base of the excavated area within the containment berm. Laboratory analytical results indicated that pH exceeded the COGCC Table 910-1 allowable level in soil samples B01@4" and B03@4" at 9.01 and 9.24, respectively. On January 7, 2016, following the removal of additional impacted soil, two soil samples (B04@1' and B05@1') were collected from the base of the excavation for pH analysis. The pH level in soil sample B05@1' exceeded the COGCC Table 910-1 allowable level at 9.08. The pH level in sample B05@1' is consistent with background pH levels in soil, as recorded in soil sample BG01. Approximately 6 cubic yards of soil was excavated and transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado, for disposal. The general site layout, release location, excavation dimensions, and sample locations are shown on the Excavation Site Map provided as Figure 2. The soil and surface water analytical results are summarized in Tables 1 and 2, respectively. The laboratory analytical reports are attached.

Soil/Geology Description:

Road Base and Sandy Clay.

Depth to Groundwater (feet BGS) 5 Number Water Wells within 1/2 mile radius: 14

If less than 1 mile, distance in feet to nearest Water Well 1110 None ☐ Surface Water 70 None ☐

Wetlands 4770 None ☐ Springs None ☒

Livestock 1680 None ☐ Occupied Building 1440 None ☐

Additional Spill Details Not Provided Above:

No further action is required. Laboratory analytical results for the surface water sample indicated that BTEX was less than the laboratory reporting limit of 1.0 µg/L. Laboratory analytical results for the confirmation soil samples indicated that TPH, BTEX, pH, and EC levels were in compliance with COGCC Table 910-1 allowable levels at the extent of the excavation and release area, with the exception of soil sample B05@1', which exceeded the allowable level for pH (9.0) at a level of 9.08. Based on the pH level in background soil sample BG01, the pH level in soil sample B05@1' is consistent with background levels in soil. Furthermore, the low level pH exceedance is within the separator berm and will not have an effect on potential agricultural use. Based on the confirmation soil and surface water sample analytical results, Kerr-McGee is requesting an NFA status for this site.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/08/2016

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)

A pressure release valve triggered on a separator at the UPRC-63N66W/31SESE tank battery when the dump line between the production tanks and separator froze causing a buildup of fluids in the separator. Less than 1 barrel of condensate and oil released through the pressure release valve and misted outside of containment, settling onto the ground surface and a snow and ice-covered pond.

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

An informal incident review was performed by operations teams to discuss how to prevent the buildup of fluids in the separator due to frozen lines. Increased monitoring of existing automation and routine site visits will help reduce the triggering of a pressure release valve.

Volume of Soil Excavated (cubic yards): 6

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: Sr. HSE Representative Date: 01/08/2016 Email: Sam.LaRue@Anadarko.com

COA Type

Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400965521	OTHER
400965522	TOPOGRAPHIC MAP
400967676	ANALYTICAL RESULTS
400967680	SITE MAP
400967691	ANALYTICAL RESULTS

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)