

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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Document Number:

401001226

Date Received:

03/10/2016

Spill report taken by:

Spill/Release Point ID:

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

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401001226

Initial Report Date: 03/07/2016 Date of Discovery: 03/07/2016 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR WNW SEC 27 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.199706 Longitude: -104.770059

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

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 336317
 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): 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: The volume of the release is unknown.

Land Use:

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

Weather Condition: Cloudy; 50 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):

At the Barclay-63N66W/27NWNW tank battery, an operator discovered surface soil staining within the bermed tank battery. The cause of the release is still under investigation. The volume of the release is unknown. The excavation soil sampling details and analytical results are summarized in the supplemental report. A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/7/2016	Weld County	Roy Rudisill	-	Notified via Email
3/7/2016	Weld County	Troy Swain	-	Notified via Email
3/7/2016	Weld County	Tom Parko	-	Notified via Email
3/7/2016	Landowner	Landowner	-	Notified via Phone

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 03/10/2016

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" type="checkbox"/>
CONDENSATE	_____	_____	<input checked="" 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): 56 Width of Impact (feet): 26

Depth of Impact (feet BGS): 7 Depth of Impact (inches BGS): _____

How was extent determined?

On March 2, 2015, six sidewall soil samples (N01@4', N02@4', E01@4', S01@4', S02@4', and W01@4') and two base soil samples (B01@7' and B02@7') were collected from the excavation and submitted for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated that benzene and TPH concentrations in soil sample E01@4' exceeded COGCC Table 910-1 allowable levels at concentrations of 0.318 mg/kg and 1,093 mg/kg, respectively. On March 4 and 6, 2016, following removal of additional impacted soil to the east of the partially buried produced water sump, four additional sidewall soil samples (N03@4', E02@4', E03@4', and S03@4') and two additional confirmation base soil samples (B03@6' and B04@6') were collected from the excavation for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results indicated that TPH, BTEX, pH, and EC levels were in compliance with COGCC Table 910-1 allowable levels at the extent of the excavation. Approximately 240 cubic yards of soil were excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado, for disposal. 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 reports are attached.

Soil/Geology Description:

Fine to medium grained sand.

Depth to Groundwater (feet BGS) 10 Number Water Wells within 1/2 mile radius: 5

If less than 1 mile, distance in feet to nearest

Water Well	<u>1400</u>	None <input type="checkbox"/>	Surface Water	<u>950</u>	None <input type="checkbox"/>
Wetlands	<u>950</u>	None <input type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
Livestock	<u>1000</u>	None <input type="checkbox"/>	Occupied Building	<u>1200</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

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: 03/10/2016

Cause of Spill (Check all that apply) Human Error Equipment Failure Historical-Unknown
 Other (specify) The cause of the release is still under investigation.

Describe Incident & Root Cause (include specific equipment and point of failure)

At the Barclay-63N66W/27NWNW tank battery, an operator discovered surface soil staining within the bermed tank battery. The cause of the release is still under investigation. The volume of the release is unknown.

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

Corrective actions will be taken based on the results of the investigation. The storage tanks were replaced as a precautionary measure.

Volume of Soil Excavated (cubic yards): 240

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: 03/10/2016 Email: Sam.LaRue@Anadarko.com

COA Type

Description

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401001238	OTHER
401001826	ANALYTICAL RESULTS
401002455	ANALYTICAL RESULTS
401002604	TOPOGRAPHIC MAP
401003483	SITE MAP

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)