

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

400890392

Date Received:

08/31/2015

Spill report taken by:

Spill/Release Point ID:

443085

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# 400888461

Initial Report Date: 08/21/2015 Date of Discovery: 08/21/2015 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSE SEC 24 TWP 3N RNG 68W MERIDIAN 6

Latitude: 40.208384 Longitude: -104.951109

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

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 336287
 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: Historical Release - Volume of the release is unknown.

Land Use:

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

Weather Condition: Sunny, 80 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):

While re-routing flow lines at the LDS-63N68W/24SWSE location, historical petroleum hydrocarbon impacted soil was discovered. It does not appear that the historical petroleum hydrocarbon impacted soil is associated with any active equipment on location. The petroleum hydrocarbon impacted soil is being excavated. Based on the volume of impacted soil excavated, the release was reported to the COGCC on August 21, 2015. Confirmation soil samples will be collected from the excavation and will be submitted for laboratory analysis of TPH, BTEX, pH, EC, and SAR (if applicable). The analytical results and excavation details 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
8/21/2015	Weld County	Roy Rudisill	-Email	
8/21/2015	Weld County	Troy Swain	-Email	
8/21/2015	Weld County	Tom Parko	-Email	
8/21/2015	Landowner	Landowner	-Phone	

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 08/31/2015

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? 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): 49 Width of Impact (feet): 36

Depth of Impact (feet BGS): 8 Depth of Impact (inches BGS): 6

How was extent determined?

On August 17, 2015, four confirmation sidewall soil samples (N01@4', S01@4', W01@4', and W02@4') and two confirmation base soil samples (B01@6' and B02@6') were collected from the excavation for laboratory analysis of TPH, BTEX, pH, and EC. The TPH concentrations in base soil samples B01@6' and B02@6' exceeded the COGCC Table 910-1 allowable levels at concentrations of 1,090 µg/L and 1,050 µg/L, respectively. On August 19, 2015, following the removal of impacted soil, two additional confirmation base soil samples (B03@7' and B04@7') were collected from the excavation for laboratory analysis of TPH, BTEX, pH, and EC. Laboratory analytical results for the base soil samples indicated that TPH, BTEX, pH, and EC concentrations were less than or within the COGCC Table 910-1 allowable levels. On August 25, 2015, following the removal of additional impacted soil, two soil samples (E01@4' and E02@4') were collected from the eastern sidewall for laboratory analysis of TPH, BTEX, pH, and EC. Groundwater was encountered in the eastern portion of the excavation. One excavation groundwater sample (GW01) was submitted for BTEX analysis. Laboratory results for excavation groundwater sample GW01 indicated that BTEX concentrations were in compliance with the CGWQS and less than the laboratory reporting limit of 1.0 µg/L. Laboratory analytical results for the soil samples indicated that TPH, BTEX, pH, and EC concentrations were in compliance with the COGCC Table 910-1 allowable levels at the extent of the excavation. Approximately 320 cubic yards of impacted soil were excavated and transported to the Kerr-McGee land treatment facility in Weld County, Colorado for disposal. The general site layout, excavation dimensions, and confirmation soil and groundwater sample locations are shown on the Excavation Site Map attached as Figure 2. The soil and groundwater sample analytical results are summarized in Tables 1 and 2, respectively. The laboratory analytical reports are attached.

Soil/Geology Description:

Sandy clay and silty fine grained sand.

Depth to Groundwater (feet BGS) 8

Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest

Water Well 2000 None

Surface Water 45 None

Wetlands 3930 None

Springs _____ None

Livestock 560 None

Occupied Building 325 None

Additional Spill Details Not Provided Above:

No further action is required. Laboratory analytical results for the excavation 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. In addition, laboratory results for excavation groundwater sample GW01 indicated that BTEX concentrations were in compliance with the CGWQS and less than the laboratory reporting limit of 1.0 µg/L. Based on the confirmation soil and groundwater sample analytical results, Kerr-McGee is requesting an NFA status for this site.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 08/31/2015

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)

While re-routing flow lines at the LDS-63N68W/24SWSE location, soil with historical petroleum hydrocarbon impacts was discovered. It did not appear that the historical petroleum hydrocarbon impacted soil was associated with any active equipment on location. The petroleum hydrocarbon impacted soil was excavated.

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

The impacted soil encountered was historical. The petroleum hydrocarbon impacted soil was excavated.

Volume of Soil Excavated (cubic yards): 320

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: 08/31/2015 Email: Sam.LaRue@Anadarko.com

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400890406	TOPOGRAPHIC MAP
400890407	OTHER
400890589	ANALYTICAL RESULTS
400893062	ANALYTICAL RESULTS
400893106	SITE MAP

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)