

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401065487

Date Received:

07/20/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

446122

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		Mobile: (970) 515-1238
Contact Person: Sam LaRue		Email: Sam.LaRue@Anadarko.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401059572

Initial Report Date: 06/08/2016 Date of Discovery: 06/07/2016 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESW SEC 8 TWP 2N RNG 65W MERIDIAN 6

Latitude: 40.151275 Longitude: -104.689322

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): 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:

Land Use:

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

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):

During deconstruction activities at the Fields-62N65W/8SESW tank battery, soil with historical petroleum hydrocarbon impact was encountered beneath the produced water sump. There were no indications that the dumlplines or produced water sump were leaking. The volume of the release is unknown. Excavation activities are ongoing. Confirmation soil samples will be collected and submitted for laboratory analysis of TPH, BTEX, pH, EC, and SAR (if applicable). The analytical results and excavation details will be summarized in a supplemental report. A topographic Site Location Map showing the geographic setting of the release is attached as Figure 1.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
6/7/2016	Weld County	Troy Swain	-	Notified via Email
6/7/2016	Weld County	Roy Rudisill	-	Notified via Email
6/7/2016	Weld County	Tom Parko	-	Notified via Email
6/7/2016	Landowner	Landowner	-	Notified via Certified Mail

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 07/20/2016		
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	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE	0	0	<input type="checkbox"/>
specify: _____			
Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
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) <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): 54		Width of Impact (feet): 32	
Depth of Impact (feet BGS): 25		Depth of Impact (inches BGS): _____	
How was extent determined?			
<p>On June 7 and 8, 2016, six sidewall soil samples (N01@16', E01@16', E02@16', S01@16', W01@16', and W02@16') and two base soil samples (B01@18' and B02@18') were collected from the excavation and submitted for laboratory analysis of BTEX, TPH, pH, and EC. Laboratory analytical results indicated that benzene and/or TPH concentrations exceeded COGCC Table 910-1 allowable levels in soil samples E01@16', E02@16', and B02@18'. On June 9, 2016, following removal of additional impacted soil, two sidewall soil samples (E03@18' and E04@16') and one base soil sample (B03@20') were collected from the excavation for BTEX, TPH, pH, and EC analysis. Laboratory analytical results indicated that the TPH concentration in soil sample B03@20' exceeded the COGCC Table 910-1 allowable level for TPH. In order to remove additional impacted soil from the southern half of the excavation base, the excavation sidewalls were sloped for stability per OSHA regulations. On June 17, 2016, following the removal of additional impacted soil, one additional base soil sample (B04@25') was collected from the excavation. Laboratory analytical results indicated that TPH, BTEX, pH, and EC levels were in compliance with COGCC allowable levels at the extent of the excavation base. Approximately 1,790 cubic yards of soil were transported to the Buffalo Ridge Landfill in Keenesburg, Colorado, for disposal. The general site layout, release location, excavation extent, sloped excavation access, 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.</p>			
Soil/Geology Description:			
Clay (CL) and weathered claystone.			

Depth to Groundwater (feet BGS) 30 Number Water Wells within 1/2 mile radius: 2

If less than 1 mile, distance in feet to nearest Water Well 1680 None ☐ Surface Water 4380 None ☐

Wetlands 4380 None ☐ Springs None ☒

Livestock 4380 None ☐ Occupied Building 1550 None ☐

Additional Spill Details Not Provided Above:

No further action is required. Laboratory analytical results for the confirmation soil samples indicate that TPH, BTEX, pH, and EC levels are in compliance with COGCC Table 910-1 allowable levels at the extent of the excavation. Groundwater was not encountered in the excavation. Based on the confirmation soil sample analytical results, Kerr-McGee is requesting an NFA status for this site. A Sump Closure Report is attached.

CORRECTIVE ACTIONS

#1	Supplemental Report Date: <u>07/20/2016</u>
Cause of Spill (Check all that apply) <input type="checkbox"/> Human Error <input type="checkbox"/> Equipment Failure <input checked="" type="checkbox"/> Historical-Unknown	
<input type="checkbox"/> Other (specify) _____	
Describe Incident & Root Cause (include specific equipment and point of failure)	
<div>During deconstruction activities at the Fields-62N65W/8SESW tank battery, soil with historical petroleum hydrocarbon impacts were encountered beneath the produced water sump. There were no indications that the dumlins or produced water sump were leaking.</div>	
Describe measures taken to prevent the problem(s) from reoccurring:	
<div>The tank battery will be decommissioned and the site restored to pre-release grade.</div>	
Volume of Soil Excavated (cubic yards): <u>1790</u>	
Disposition of Excavated Soil (attach documentation) <input checked="" type="checkbox"/> Offsite Disposal <input type="checkbox"/> Onsite Treatment	
<input type="checkbox"/> Other (specify) _____	
Volume of Impacted Ground Water Removed (bbls): <u>0</u>	
Volume of Impacted Surface Water Removed (bbls): <u>0</u>	

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: 07/20/2016 Email: Sam.LaRue@Anadarko.com

COA Type

Description

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401065543	TOPOGRAPHIC MAP
401065547	OTHER
401067083	ANALYTICAL RESULTS
401069458	SITE MAP
401081608	OTHER

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)