

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400950216

Date Received:

12/10/2015

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

441394

## 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	<b>Phone Numbers</b>
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# 400812258

Initial Report Date: 03/20/2015 Date of Discovery: 03/19/2015 Spill Type: Historical Release

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENW SEC 13 TWP 1N RNG 68W MERIDIAN 6

Latitude: 40.057397 Longitude: -104.954297

Municipality (if within municipal boundaries): County: WELD

#### Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 327241

☐ 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): 0

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):

Weather Condition: 50's, Sunny.

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):

On March 19, 2015, historical impacts were discovered during plugging and abandonment activities at the UPRR 43 Pan Am O#2 production facility. Approximately 160 cubic yards of impacted material have been excavated and transported to the Front Range Regional Landfill located in Erie, Colorado for disposal. Excavation activities are on-going at this location.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
3/19/2015	County	Tom Parko	--Email	
3/19/2015	County	Roy Rudisill	--Email	
3/19/2015	City of Dacano	Jennifer Krieger	--Phone	

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 12/08/2015		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input 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? 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): 100 Width of Impact (feet): 30

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): 0

How was extent determined?

On March 19, 2015, historical impacts were discovered during plugging and abandonment activities at the UPRR 43 Pan Am O#2 production facility. Approximately 180 cubic yards of impacted material were excavated and transported to the Front Range Regional Landfill in Erie, Colorado for disposal. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Thirteen (13) soil samples were collected from the base and sidewalls of the final extent of the excavation area at 5 feet and 4 feet below ground surface (bgs), respectively. Soil samples were submitted to Origins Laboratory in Denver, Colorado for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by USEPA Method 8260C, TPH - diesel and oil range organics (DRO and ORO) by USEPA Method 8015, electrical conductivity (EC), and pH. Analytical results indicated that organic constituent concentrations in soil samples collected from the final extent of the excavation area were below the applicable COGCC Table 910-1 standards. Soil samples B03@5' and S02@4' exhibited pH levels above the COGCC Table 910-1 standards but were collected from below the designated root zone. Based on the analytical results, Kerr-McGee is requesting a No Further Action (NFA) determination for this location. The excavation area has been backfilled and re-contoured to match pre-existing conditions. Analytical results are summarized in Table 1 and soil sample locations are illustrated on the attached Figure 2.

Soil/Geology Description:

Clay to sandy clay.

Depth to Groundwater (feet BGS) 31 Number Water Wells within 1/2 mile radius: 5

If less than 1 mile, distance in feet to nearest	Water Well	1800	None	<input type="checkbox"/>	Surface Water	800	None	<input type="checkbox"/>
	Wetlands		None	<input checked="" type="checkbox"/>	Springs		None	<input checked="" type="checkbox"/>
	Livestock		None	<input checked="" type="checkbox"/>	Occupied Building	250	None	<input type="checkbox"/>

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1	Supplemental Report Date:	12/08/2015
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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)

Historical impacts were discovered beneath the production equipment during plugging and abandonment activities. There was no indication that the dump lines or the produced water tank were leaking. All associated fittings were tight and working properly.

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

The tank battery is being abandoned and will not be rebuilt.

Volume of Soil Excavated (cubic yards): 180

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: Senior HSE Representative Date: 12/10/2015 Email: Sam.LaRue@anadarko.com

## COA Type

## Description

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## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400950289	SITE MAP
400950291	ANALYTICAL RESULTS
400950295	FORM 19 SUBMITTED
400950305	TOPOGRAPHIC MAP

Total Attach: 4 Files

**General Comments**

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

Total: 0 comment(s)