

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400615587

Date Received:

05/30/2014

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.

Spill report taken by:  
CANFIELD, CHRIS

Spill/Release Point ID:  
437364

OPERATOR INFORMATION

Name of Operator: <u>KERR MCGEE OIL &amp; GAS ONSHORE LP</u> OGCC Operator No: <u>47120</u>	<b>Phone Numbers</b>
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) 336-3656</u>
Contact Person: <u>Phil Hamlin</u>	Email: <u>phil.hamlin@anadarko.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Report Date: 05/22/2014 Date of Discovery: 05/21/2014 Spill Type: Historical Release

Spill/Release Point Location:

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

Latitude: 40.214516 Longitude: -104.947667

Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

Reference Location:

Facility Type: WELL  Well API No. (if the reference facility is well) 05-123-08180

Facility ID (if not a well) \_\_\_\_\_

No Existing Facility ID

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

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: CROP LAND Other(Specify): \_\_\_\_\_

Weather Condition: Sunny, Dry

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

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

A historical release was discovered while plugging and abandoning the Reynolds Cattle Company GU 1 wellhead. The flowline was flushed, cut, and capped immediately following the discovery. Excavation of impacted soil commenced on May 21, 2014, and approximately 150 cubic yards of impacted material was removed and disposed of at the Front Range Regional Landfill in Erie, Colorado.

COGCC Comment Only:

List Agencies and Other Parties Notified:

### OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
5/22/2014	Weld County	Roy Rudisill	-	
5/22/2014	Weld County	Tom Parko	-	

### SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 05/28/2014

FLUIDS	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

**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): 25 Width of Impact (feet): 20

Depth of Impact (feet BGS): 7 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On May 21, 2014, excavation activities commenced following the discovery of a historical release while plugging and abandoning the Reynolds Cattle Company GU 1 wellhead. The vertical and lateral extent of the excavation was determined in the field using a photoionization detector (PID) to measure volatile organic compound (VOC) concentrations in soil. On May 21, 2014, four soil samples were collected from the sidewalls of the final extent of the excavation at approximately 5.5 feet below ground surface (bgs). Soil samples were submitted to eAnalytics Laboratory in Loveland, Colorado for laboratory analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX) and total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) by USEPA Method 8260B, and TPH – diesel range organics (DRO) and oil range organics (ORO) by USEPA Method 8015. Analytical results indicate constituent concentrations are below applicable COGCC Table 910-1 soil standards at the four soil sample locations. Groundwater was encountered in the excavation at approximately 7 feet bgs. On May 21, 2014, a groundwater sample (GW01) was collected and submitted for laboratory analysis of BTEX. Analytical results received on May 22, 2014 indicate benzene concentrations in GW01 are in exceedance of the applicable COGCC Table 910-1 groundwater standards. 200 pounds of activated carbon were introduced to the groundwater table to mitigate residual hydrocarbon concentrations above regulatory standards in groundwater. The excavation was subsequently backfilled and re-contoured to match pre-existing conditions.

Soil/Geology Description:

Fine sand

Depth to Groundwater (feet BGS) 7

Number Water Wells within 1/2 mile radius: 2

If less than 1 mile, distance in feet to nearest

Water Well 1900 None

Surface Water 20 None

Wetlands \_\_\_\_\_ None

Springs \_\_\_\_\_ None

Livestock \_\_\_\_\_ None

Occupied Building 1720 None

Additional Spill Details Not Provided Above:

A Form 27 will be submitted to describe additional proposed subsurface assessment and remedial actions to address residual dissolved-phase site impacts.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/28/2014

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)

There were no leaks observed at the wellhead, flowline, or fittings, indicating the release was historical.

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

The well was plugged and abandoned.

Volume of Soil Excavated (cubic yards): 150

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 Number: \_\_\_\_\_

COGCC Comment:

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Phil Hamlin

Title: Senior HSE Representative Date: 05/30/2014 Email: phil.hamlin@anadarko.com

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400615597	ANALYTICAL RESULTS
400615599	TOPOGRAPHIC MAP
400615603	SITE MAP

Total Attach: 3 Files

## General Comments

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

Total: 0 comment(s)