

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

401233903

Date Received:

03/16/2017

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

449646

## SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to COGCC Rule 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. 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	Mobile: (970) 515-1431
Zip: 80217-3779		Email: Paul.Schwarz@anadar ko.com
Contact Person: Paul Schwarz		

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401229096

Initial Report Date: 03/09/2017 Date of Discovery: 03/09/2017 Spill Type: Historical Release

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESW SEC 7 TWP 3N RNG 67W MERIDIAN 6

Latitude: 40.236309 Longitude: -104.934179

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: CROP LAND Other(Specify):

Weather Condition: Sunny ~ 65 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):

On March 7, 2017, historical impacts were discovered during P&A activities at the Hicks Ruth Elizabeth #2 production facility. Soil excavation activities are ongoing and will be summarized in a forthcoming Supplemental Form 19 Release Report. On March 8, 2017, groundwater was encountered within the excavation at approximately 12 feet bgs. A groundwater sample (GW01) was collected and submitted to Origins Laboratory for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8260C. Analytical results received on March 9, 2017, indicated that the benzene concentration in the groundwater sample GW01 was above the applicable COGCC Table 910-1 standard. A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. Groundwater analytical results are summarized in Table 1 and the sample location is illustrated on Figure 2. Analytical laboratory reports are provided as Attachment A.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
3/9/2017	County	Roy Rudisill	-email	
3/9/2017	County	Troy Swain	-email	
3/9/2017	County	Tom Parko	-email	
3/9/2017	Private	Landowner	-email	

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 03/17/2017		
<b>FLUIDS</b>	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? 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): 42 Width of Impact (feet): 34

Depth of Impact (feet BGS): 12 Depth of Impact (inches BGS): 0

How was extent determined?

On March 7, 2017, historical impacts were discovered during P&A activities at the Hicks Ruth Elizabeth #2 production facility. Approximately 380 yards of impacted material were removed and transported to the Kerr-McGee land treatment facility in Weld County, Colorado. Seven (7) confirmation soil samples were collected from the sidewalls of the final lateral extent of the excavation area at approximately 10 feet below ground surface (bgs). The soil samples were submitted to Origins Laboratory 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. Soil analytical results indicated that the constituent concentrations in soil samples collected from the sidewalls of the final extent of the excavation area were below the applicable COGCC Table 910-1 standards. Groundwater was encountered in the excavation at approximately 12 feet bgs. On March 8, 2017, a groundwater sample (GW01) was collected and submitted to Origins Laboratory for analysis of BTEX by USEPA Method 8260C. Analytical results received on March 9, 2017, indicated that the benzene concentration in sample GW01 was above the applicable COGCC Table 910-1 groundwater standard. On March 15, 2017, approximately 30 barrels of groundwater were removed from the excavation area and transported to an approved off-site disposal facility. Prior to backfilling, approximately 110 pounds of activated carbon were introduced into the excavation to address potential residual hydrocarbon impacts to groundwater. Groundwater analytical results are summarized in Table 1 and the groundwater sample location is illustrated on Figure 2. Soil analytical results are summarized in Table 2 and the soil sample locations are illustrated on Figure 2. Analytical laboratory reports are provided as Attachment A.

Soil/Geology Description:

Silty sand overlying claystone.

Depth to Groundwater (feet BGS) 12

Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest

Water Well 2600 None ☐

Surface Water 1750 None ☐

Wetlands          None ☒

Springs          None ☒

Livestock 1650 None ☐

Occupied Building 1075 None ☐

Additional Spill Details Not Provided Above:

An Initial Form 27 Site Investigation and Remediation Workplan will be prepared for this release.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/17/2017

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 during P&A activities at the Hicks Ruth Elizabeth #2 production facility.

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

Site infrastructure has been removed and will not be replaced.

Volume of Soil Excavated (cubic yards): 380

Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment

☐ Other (specify)   

Volume of Impacted Ground Water Removed (bbls): 30

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: Paul Schwarz

Title: HSE Representative Date: 03/16/2017 Email: Paul.Schwarz@anadarko.com

## COA Type

## Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401234636	TOPOGRAPHIC MAP
401234638	ANALYTICAL RESULTS
401234640	ANALYTICAL RESULTS
401234643	ANALYTICAL RESULTS
401234648	FORM 19 SUBMITTED
401235260	SITE MAP

Total Attach: 6 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)