

State of Colorado Oil and Gas Conservation Commission

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Document Number:

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Date Received:

11/10/2014

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

439682

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 Address: P O BOX 173779 City: DENVER State: CO Zip: 80217-3779 Contact Person: Phil Hamlin Phone Numbers: Phone: (970) 336-3500 Mobile: (970) 515-1161 Email: phil.hamlin@anadarko.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400722516

Initial Report Date: 11/03/2014 Date of Discovery: 10/31/2014 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENW SEC 4 TWP 2N RNG 66W MERIDIAN 6

Latitude: 40.170016 Longitude: -104.788007

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 327966 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: 60'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 October 29, 2014, a historical release was discovered while replacing the produced water sump at the Kugel W 4-3, 4-6 production facility. Approximately 400 cubic yards of impacted soil have been removed and transported to the Kerr-McGee land treatment facility in Weld County, Colorado. The current excavation area is approximately 30 feet x 30 feet with an approximate depth of 5 feet below ground surface (bgs). Points of compliance have been established on the west and southwest sidewalls of the excavation area. Excavation activities are on-going at this location.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
10/31/2014	County	Roy Rudisill	--Email	
10/31/2014	County	Tom Parko	--Email	

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 11/10/2014

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

*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): 60 Width of Impact (feet): 34

Depth of Impact (feet BGS): 9 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

During battery reconstruction activities, a historical release was discovered below the production tanks at the Kugel W 4-3, 4-6 production facility. Approximately 520 cubic yards of impacted material were removed and transported to the Kerr-McGee land treatment facility in Weld County, Colorado. The lateral and vertical extents of the excavation were determined in the field using a photoionization detector (PID) to measure volatile organic compounds (VOCs) in soil. Eight soil samples were collected from the sidewalls of the final extent of the excavation at approximately 4-7 feet below ground surface (bgs). In addition, three soil samples (B01-B03) were collected from the base of the excavation area at depths ranging between 5 feet and 9 feet bgs. Soil samples were submitted to Origins Laboratory in Denver, Colorado for 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 the applicable COGCC Table 910-1 standards in the ten soil samples collected from the final excavation extent. The excavation area will be backfilled and re-contoured to match pre-existing conditions. Given the soil analytical data described herein, Kerr-McGee is requesting a No Further Action (NFA) determination for this location.

Soil/Geology Description:

Silty sand and silty clay

Depth to Groundwater (feet BGS) 262 Number Water Wells within 1/2 mile radius: 14

If less than 1 mile, distance in feet to nearest Water Well 1625 None  Surface Water 1105 None

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

Livestock \_\_\_\_\_ None  Occupied Building 1675 None

Additional Spill Details Not Provided Above:

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 11/10/2014

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)

A historical release was discovered below the production tanks during battery reconstruction activities. The released volume is unknown.

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

The tank battery will be rebuilt with a geosynthetic liner, poly drain line, and a double walled fiberglass produced water tank.

Volume of Soil Excavated (cubic yards): 520

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: \_\_\_\_\_

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: 11/10/2014 Email: phil.hamlin@anadarko.com

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400726624	TOPOGRAPHIC MAP
400726629	FORM 19 SUBMITTED
400727147	ANALYTICAL RESULTS
400727346	SITE MAP

Total Attach: 4 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

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

Total: 0 comment(s)