

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400689212

Date Received:

09/18/2014

Spill report taken by:

Spill/Release Point ID:

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	Mobile: (970) 515-1161
Zip: 80217-3779		Email: phil.hamlin@anadarko.com
Contact Person: Phil Hamlin		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400687505

Initial Report Date: 09/15/2014 Date of Discovery: 09/12/2014 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESE SEC 25 TWP 3N RNG 68W MERIDIAN 6

Latitude: 40.193176 Longitude: -104.947605

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 331483
☐ 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: CROP LAND Other(Specify):

Weather Condition: Rainy, 45 degrees

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):

A historical release was discovered during battery decommissioning activities at the Rademacher 9,16-25A, 10, 15, 23, 37, 38, 39-25 production facility. Approximately 100 cubic yards of impacted soil were removed and transported to Kerr-McGee's land treatment facility in Weld County, Colorado. Groundwater was encountered in the excavation area at approximately 4.5 feet below ground surface (bgs). A groundwater sample (GW01) was collected and submitted to for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX) using USEPA Method 8260B. Analytical results received on September 12, 2014 indicate benzene concentrations are in exceedance of the applicable COGCC Table 910-1 groundwater standards, causing this release to be reportable. Groundwater analytical results are summarized in the attached Table 1 and laboratory analytical report.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
9/12/2014	County	Tom Parko	-Email	
9/12/2014	County	Roy Rudisill	-Email	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 09/16/2014		
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):	20	Width of Impact (feet):	20
Depth of Impact (feet BGS):	4	Depth of Impact (inches BGS):	6

How was extent determined?

On September 9, 2014, a historic release was discovered during the decommissioning of the Rademacher 9, 16-25A, 10, 15, 23, 37, 38, 39-25 production facility. On September 11, 2014, excavation activities were conducted and approximately 240 cubic yards of impacted material were removed and transported to Kerr-McGee's land treatment facility in Weld County, Colorado. The vertical and lateral extent of the excavation was determined using a photoionization detector (PID) to field screen volatile organic compound (VOC) concentrations in the soil. On September 11, 2014, four soil samples were collected from the sidewalls of the final extent of the excavation at approximately 3 feet bgs and submitted to Origins Laboratory in Denver, Colorado for laboratory analysis of BTEX and TPH using USEPA Methods 8260B and 8015, respectively. Laboratory results indicate that the constituent concentrations in the soil samples collected were below the applicable COGCC Table 910-1 soil standards. Groundwater was encountered in the excavation at approximately 4.5 feet bgs. On September 11, 2014, a groundwater sample (GW01) was collected from the excavation and submitted for laboratory analysis of BTEX. Laboratory results indicate that benzene concentrations in the groundwater sample (GW01) are above the applicable COGCC Table 910-1 standards. Following excavation activities, 45 barrels of groundwater were removed from the excavation via vacuum truck and transported to a licensed injection facility for disposal. In addition, 200 pounds of activated carbon were introduced into the excavation to address the remaining dissolved aqueous phase petroleum hydrocarbon concentrations. The excavation area was subsequently backfilled and re-contoured to match pre-existing conditions. Temporary monitoring wells will be installed to verify that groundwater impacts have been addressed, and for remediation purposes if necessary.

Soil/Geology Description:

Silty sand to silty clay.

Depth to Groundwater (feet BGS)	4	Number Water Wells within 1/2 mile radius:	2
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<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)