

State of Colorado Oil and Gas Conservation Commission

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Document Number:

402266736

Date Received:

12/20/2019

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

469883

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 LPOperator No: 47120Address: P O BOX 173779City: DENVERState: COZip: 80217-3779Contact Person: Greg Hamilton

Phone Numbers

Phone: (970) 515-1698Mobile: ()Email: Gregory_Hamilton@oxy.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402260584Initial Report Date: 12/11/2019Date of Discovery: 12/11/2019Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 19 TWP 3N RNG 66W MERIDIAN 6Latitude: 40.207980 Longitude: -104.826563Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: TANK BATTERY☐ Facility/Location ID No _____Spill/Release Point Name: Camp☒ No Existing Facility or Location ID No.Number: 13-19A☐ 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): UnknownEstimated Condensate Spill Volume(bbl): UnknownEstimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): UnknownEstimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: OTHEROther(Specify): Tank Battery PadWeather Condition: Partly Cloudy, 45°FSurface 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):

During dump line removal activities associated with the Camp 13-19A facility, historical petroleum hydrocarbon impacts to the subsurface were encountered. The volume of the release is unknown. An excavation groundwater sample (GW01) collected on December 10, 2019 indicated benzene exceeded the COGCC Table 910-1 allowable level for groundwater. Assessment activities are ongoing. The complete assessment details and analytical results will be summarized in a supplemental report. The topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. The excavation groundwater sample results are summarized in Table 1. The laboratory analytical report is attached.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
12/11/2019	Weld County	Weld County	-	Notified via Office of Emergency Management Online Spill Report
12/12/2019	Landowner	Landowner	-	Notified via Phone

Was there a Grade 1 Gas Leak associated with this E & P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Grade 1 Gas Leak Report Form 44: _____

Was there a reportable accident associated with this E & P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Accident Report, Form 22: _____

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 12/19/2019		
FLUIDS	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): 59 Width of Impact (feet): 10

Depth of Impact (feet BGS): 6 Depth of Impact (inches BGS): _____

How was extent determined?

Between December 10 and 16, 2019, five soil samples were collected from the base and sidewalls of the dump line excavation and submitted for laboratory analysis of TPH, BTEX, and naphthalene. The base soil samples were also analyzed for pH, EC, and SAR. Laboratory analytical results indicated that TPH, BTEX, naphthalene, pH, EC, and SAR concentrations and levels are in full compliance with COGCC Table 910-1 allowable levels at the extent of the excavation. On December 10, 2019, one groundwater sample (GW01) was collected from the excavation. Laboratory analytical results indicated that sample GW01 exceeded the COGCC Table 910-1 allowable level for benzene at 37.8 µg/L. Following the removal of impacted groundwater from the excavation, a second groundwater sample (GW02) was collected on December 13, 2019 and submitted for laboratory analysis. Laboratory analytical results indicated that sample GW02 was compliant with the COGCC Table 910-1 allowable level for benzene. Approximately 120 cubic yards of petroleum hydrocarbon impacted soil were removed from the excavation and transported to Front Range Landfill in Erie, Colorado, for disposal, and approximately 70 cubic yards of impacted soil were transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado, for recycling. Approximately 470 barrels of impacted groundwater were removed from the excavation and transported to the Aggregate Recycling Facility in Weld County, Colorado, for recycling. While backfilling the excavation, 200 pounds of COGAC®, a carbon-based groundwater remediation product, was applied to the clean backfill in a series of lifts in the capillary and phreatic horizons. The general site layout, excavation area, and soil and groundwater sample locations are depicted on the Excavation Site Map provided as Figure 2. The excavation groundwater and soil sample analytical results are summarized in Table 1 and Table 2, respectively. The laboratory analytical reports are attached.

Soil/Geology Description:

Sandy Clay (CL)

Depth to Groundwater (feet BGS) 5

Number Water Wells within 1/2 mile radius: 30

If less than 1 mile, distance in feet to nearest

Water Well	<u>130</u>	None	<input type="checkbox"/>	Surface Water	<u>50</u>	None	<input type="checkbox"/>
Wetlands	<u></u>	None	<input checked="" type="checkbox"/>	Springs	<u></u>	None	<input checked="" type="checkbox"/>
Livestock	<u>280</u>	None	<input type="checkbox"/>	Occupied Building	<u>280</u>	None	<input type="checkbox"/>

Additional Spill Details Not Provided Above:

Groundwater monitoring wells will be installed at the site to determine the extent and magnitude of the groundwater impacts and establish points of compliance.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 12/19/2019

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)

During dump line removal activities associated with the Camp 13-19A facility, historical petroleum hydrocarbon impacts to the subsurface were encountered.

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

The Kerr-McGee facility will be decommissioned.

Volume of Soil Excavated (cubic yards): 190

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

Volume of Impacted Ground Water Removed (bbls): 470

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: Greg Hamilton

Title: Sr. Staff Enviro. Rep. Date: 12/20/2019 Email: Gregory_Hamilton@oxy.com

COA Type

Description

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Attachment Check List

Att Doc Num

Name

402266736	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402266752	TOPOGRAPHIC MAP
402268061	SITE MAP
402268516	ANALYTICAL RESULTS
402269283	FORM 19 SUBMITTED

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)