

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401545671

Date Received:

02/16/2018

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

454089

SPILL/RELEASE REPORT (INITIAL /w 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: <u>KERR MCGEE OIL & GAS ONSHORE LP</u>	Operator No: <u>47120</u>	Phone Numbers
Address: <u>P O BOX 173779</u>		Phone: <u>(970) 336-3500</u>
City: <u>DENVER</u>	State: <u>CO</u>	Mobile: <u>(970) 515-1161</u>
Zip: <u>80217-3779</u>		Email: <u>Phil.Hamlin@anadarko.com</u>
Contact Person: <u>Phillip Hamlin</u>		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401545671

Initial Report Date: 02/14/2018 Date of Discovery: 02/13/2018 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESE SEC 18 TWP 3N RNG 67W MERIDIAN 6Latitude: 40.221315 Longitude: -104.927257Municipality (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): 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: NON-CROP LAND

Other(Specify): _____

Weather Condition: Cloudy ~ 20 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 February 12, 2018, historical impacts were discovered during abandonment activities at the Sekich Farms 16-18 production facility. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Groundwater was encountered within the excavation at approximately 6 feet below ground surface (bgs). A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
2/13/2018	County	Roy Rudisill	-email	
2/13/2018	County	Tom Parko	-email	
2/13/2018	County	Troy Swain	-email	
2/13/2018	Private	Landowner	-phone	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 02/15/2018		
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): _____ Width of Impact (feet): _____

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

How was extent determined?

On February 12, 2018, historical impacts were discovered during abandonment activities at the Sekich Farms 16-18 production facility. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Four (4) confirmation soil samples were collected from the sidewalls of the final lateral extent of the produced water sump excavation area at approximately 5 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, electrical conductivity (EC), and pH. Soil analytical results indicated that constituent concentrations in the soil samples collected from the sidewalls of the final lateral extent of the produced water sump excavation area were in full compliance with State standards. Groundwater was encountered within the excavation at approximately 6 feet bgs. A groundwater sample (GW01) was collected and submitted to Origins Laboratory for analysis of BTEX by USEPA Method 8260C. Analytical results received on February 13, 2018, indicated that the benzene concentration in groundwater sample GW01 was out of compliance with State standards. On February 13, 2018, approximately 0.25 barrels of impacted groundwater were removed from the excavation via vacuum truck and transported to the Kerr-McGee Aggregate Recycling Facility for disposal. A second groundwater sample (GW02) was collected and submitted to Origins Laboratory for analysis of BTEX by USEPA Method 8260C. Analytical results received on February 14, 2018, indicated that constituent concentrations in groundwater sample GW02 were in full compliance with State standards.

Soil/Geology Description:

Clayey sand

Depth to Groundwater (feet BGS) 6 Number Water Wells within 1/2 mile radius: 0

Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest	Water Well	4980	None	Surface Water	635	None
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Water Well	4980	None		Surface Water	635	None	
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Surface Water	635	None	
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Wetlands 3190 None ☐ Springs None ☒

None ☒

Livestock 45 None ☐ Occupied Building 750 None ☐

Occupied Building 750 None

Additional Spill Details Not Provided Above:

Prior to backfilling, approximately 44 pounds of activated carbon were introduced into the excavation to mitigate potential remaining hydrocarbon impacts to groundwater. The phreatic zone was backfilled with clean sand and the excavation area was graded to match pre-existing conditions. A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. Soil and groundwater sample locations are illustrated on Figure 2. Soil analytical results are summarized in Table 1 and groundwater analytical results are summarized in Table 2. The laboratory analytical reports are provided as Attachment A. An Initial Form 27 Site Investigation and Remediation Workplan will be prepared for this release.

CORRECTIVE ACTIONS

#1	Supplemental Report Date:	02/15/2018
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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 beneath the partially-buried produced water sump during abandonment activities.

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):

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

☐ Other (specify) _____

Volume of Impacted Ground Water Removed (bbls): 1

Volume of Impacted Surface Water Removed (bbls):

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: Phillip Hamlin

Title: Senior HSE Representative Date: 02/16/2018 Email: Phil.Hamlin@anadarko.com

COA Type**Description**

	Provide documentation justifying closure request within 90 days of release via supplemental form 19. This spill was discovered as part of removal of a partly buried water vessel. Removal of partly buried water vessels requires submission of site investigation and remediation plan (Form 27) and this document must be submitted for prior approval (rule 905.b) and in this case must be submitted no later than (15May2018) as part of spill closure.
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Attachment Check List**Att Doc Num****Name**

401545671	SPILL/RELEASE REPORT(I/S)
401546058	OTHER
401546060	ANALYTICAL RESULTS
401546062	ANALYTICAL RESULTS
401546085	TOPOGRAPHIC MAP
401547042	SITE MAP
401548802	FORM 19 SUBMITTED

Total Attach: 7 Files

General Comments**User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)