

State of Colorado Oil and Gas Conservation Commission

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Document Number:

401414853

Date Received:

09/28/2017

Spill report taken by:

Spill/Release Point ID:

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: 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) 515-1431
Zip: 80217-3779		Email: Paul.Schwarz@anadarko.com
Contact Person: Paul Schwarz		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401414853

Initial Report Date: 09/27/2017 Date of Discovery: 09/25/2017 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENW SEC 34 TWP 6N RNG 67W MERIDIAN 6

Latitude: 40.446820 Longitude: -104.880635

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, ~ 70 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 September 22, 2017, historical impacts were discovered during P&A activities at the Kodak 34-21, 34-22, 34-24, and 34-25 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 4 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
9/25/2017	County	Roy Rudisill	-email	
9/25/2017	County	Troy Swain	-email	
9/25/2017	County	Tom Parko	-email	
9/25/2017	Private	Landowner	-phone	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 09/28/2017		
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? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
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) <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): <u>12</u>		Width of Impact (feet): <u>12</u>	
Depth of Impact (feet BGS): <u>4</u>		Depth of Impact (inches BGS): <u>0</u>	
How was extent determined?			
On September 22, 2017, historical impacts were discovered during P&A activities at the Kodak 34-21, 34-22, 34-24, and 34-25 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 excavation area at approximately 3 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 excavation area were below the applicable COGCC Table 910-1 standards. Groundwater was encountered within the excavation at approximately 4 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 September 25, 2017, indicated that the benzene concentration in groundwater sample GW01 was above the applicable COGCC Table 910-1 standard. Prior to backfilling, 44 pounds of activated carbon were introduced into the excavation to address potential residual hydrocarbon impacts to groundwater. The phreatic zone was backfilled with clean sand and the excavation area was graded to match pre-existing conditions.			
Soil/Geology Description:			
Clay and sand			

A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. The soil and groundwater sample locations are illustrated on Figure 2. The soil analytical results are summarized in Table 1 and groundwater analytical results are summarized in Table 2. The analytical laboratory report is 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:	09/28/2017
Cause of Spill (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Human Error <input type="checkbox"/> Equipment Failure <input checked="" type="checkbox"/> Historical-Unknown </div> <div style="margin-top: 5px;"> <input type="checkbox"/> Other (specify) _____ </div>		
Describe Incident & Root Cause (include specific equipment and point of failure) <div style="border: 1px solid black; height: 80px; margin-top: 5px; padding: 5px;"> Historical impacts were discovered beneath the partially buried produced water sump during P&A activities. </div>		
Describe measures taken to prevent the problem(s) from reoccurring: <div style="border: 1px solid black; height: 100px; margin-top: 5px; padding: 5px;"> Site infrastructure has been removed and will not be replaced. </div>		
Volume of Soil Excavated (cubic yards): _____ 0		
Disposition of Excavated Soil (attach documentation) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Offsite Disposal <input type="checkbox"/> Onsite Treatment </div> <div style="margin-top: 5px;"> <input type="checkbox"/> Other (specify) _____ </div>		
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:

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: 09/28/2017 Email: Paul.Schwarz@anadarko.com

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401415026	ANALYTICAL RESULTS
401415029	ANALYTICAL RESULTS
401415030	ANALYTICAL RESULTS
401415031	TOPOGRAPHIC MAP
401415035	SITE MAP
401415037	FORM 19 SUBMITTED

Total Attach: 6 Files

General Comments

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

Total: 0 comment(s)