

State of Colorado Oil and Gas Conservation Commission

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Document Number:

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Date Received:

02/22/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

444846

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: <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) 515-1238</u>
Zip: <u>80217-3779</u>		Email: <u>Sam.LaRue@anadarko.com</u>
Contact Person: <u>Sam LaRue</u>		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400988955

Initial Report Date: 02/15/2016 Date of Discovery: 02/12/2016 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESE SEC 31 TWP 2N RNG 67W MERIDIAN 6

Latitude: 40.091582 Longitude: -104.924528

Municipality (if within municipal boundaries): Town of Frederick 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) 05-123-19963

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): 0Estimated 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: 50'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 February 12, 2016, historical hydrocarbon impacts were discovered along a produced water sump dumpline during construction activities at the HSR-Grant Brothers 10-31 production facility. Excavation activities are on-going and are being guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Confirmation soil samples will be collected from the final extent of the excavation area. Site investigation and excavation activities will be summarized in a subsequent Supplemental Form 19.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
2/12/2016	County	Roy Rudisill	--Email	
2/12/2016	County	Troy Swain	--Email	
2/12/2016	County	Tom Parko	--Email	
2/12/2016	Town of Frederick	Jennifer Simmons	--Email	
2/15/2016	Land Owner	Private	--Phone	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 02/22/2016		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL			<input checked="" type="checkbox"/>
CONDENSATE	0	0	<input 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>			
<i>Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
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 checked="" 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):		26	Width of Impact (feet): 24
Depth of Impact (feet BGS):		10	Depth of Impact (inches BGS): 0
How was extent determined?			
<p>On February 12, 2016, historical hydrocarbon impacts were discovered along the produced water sump dumpline during construction activities at the HSR-Grant Brothers 10-31 production facility. Approximately 500 cubic yards of impacted material were excavated and transported to the Front Range Regional Landfill in Erie, Colorado for disposal. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Four (4) soil samples were collected from the sidewalls of the final extent of the excavation area at approximately 8 feet below ground surface (bgs). The soil samples were submitted to Origins Laboratory in Denver, Colorado for analysis for 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. Analytical results indicated that constituent concentrations in soil samples collected from the final extent of the excavation area were below the applicable COGCC Table 910-1 standards. Groundwater was encountered within the excavation area at approximately 10 feet bgs. Approximately 80 barrels of groundwater were removed from the excavation area via vacuum truck and transported to a licensed injection facility for disposal. A groundwater sample (GW01) was subsequently collected from the excavation and submitted for laboratory analysis of BTEX by USEPA Method 8260C. Analytical results received on February 18, 2016, indicated that the benzene concentration in groundwater sample GW01 was above the applicable COGCC Table 910-1 groundwater standard. Prior to backfilling the excavation, approximately 110 pounds of activated carbon were introduced to the groundwater table to mitigate remaining aqueous phase hydrocarbon impacts.</p>			
Soil/Geology Description:			

Depth to Groundwater (feet BGS)	<u>10</u>	Number Water Wells within 1/2 mile radius:		<u>9</u>
If less than 1 mile, distance in feet to nearest	Water Well <u>725</u>	None <input type="checkbox"/>	Surface Water <u>4965</u>	None <input type="checkbox"/>
	Wetlands <u></u>	None <input checked="" type="checkbox"/>	Springs <u></u>	None <input checked="" type="checkbox"/>
	Livestock <u></u>	None <input checked="" type="checkbox"/>	Occupied Building <u>125</u>	None <input type="checkbox"/>

Soil and groundwater analytical results are summarized in Table 1 and Table 2, respectively, and sample locations are illustrated in Figure 2. Additional monitoring/remediation activities will be presented in a forthcoming site-specific Form 27.

#1	Supplemental Report Date:	02/22/2016
Cause of Spill (Check all that apply)		
<input type="checkbox"/> Human Error	<input type="checkbox"/> Equipment Failure	<input checked="" type="checkbox"/> Historical-Unknown
<input type="checkbox"/> Other (specify) _____		
Describe Incident & Root Cause (include specific equipment and point of failure)		
<div style="border: 1px solid black; padding: 5px;"> <p>During construction activities, historical hydrocarbon impacts were discovered along the produced water sump dumlplines. All associated fittings and equipment were working properly and showed no indication of leaking.</p> </div>		
Describe measures taken to prevent the problem(s) from reoccurring:		
<div style="border: 1px solid black; padding: 5px;"> <p>The tank battery will be rebuilt with a geosynthetic liner and a double-walled fiberglass produced water sump.</p> </div>		
Volume of Soil Excavated (cubic yards): 500		
Disposition of Excavated Soil (attach documentation)		
<input checked="" type="checkbox"/> Offsite Disposal	<input type="checkbox"/> Onsite Treatment	
<input type="checkbox"/> Other (specify) _____		
Volume of Impacted Ground Water Removed (bbls): 80		
Volume of Impacted Surface Water Removed (bbls): 0		

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.

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: _____ Print Name: Sam LaRue

Title: Senior HSE Representative Date: 02/22/2016 Email: Sam.LaRue@anadarko.com

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400993464	TOPOGRAPHIC MAP
400993465	FORM 19 SUBMITTED
400993563	ANALYTICAL RESULTS
400993670	SITE MAP

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)