

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400994504

Date Received:

02/29/2016

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

444785

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 Zip: 80217-3779		Mobile: (970) 515-1238
Contact Person: Sam LaRue		Email: Sam.LaRue@anadarko.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400986470

Initial Report Date: 02/10/2016 Date of Discovery: 02/09/2016 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 12 TWP 2N RNG 66W MERIDIAN 6

Latitude: 40.148690 Longitude: -104.732188

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): 0

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: NON-CROP LAND

Other(Specify):

Weather Condition: 40'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 9, 2016, hydrocarbon impacts were discovered during construction activities at the Highway-62N66W12NWSW 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). Approximately 400 cubic yards of impacted material have been excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado for disposal. 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
2/9/2016	County	Roy Rudisill	--Email	
2/9/2016	County	Troy Swain	--Email	
2/9/2016	County	Tom Parko	--Email	
2/9/2016	Private	Land Owner	--Phone	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 02/23/2016		
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 type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): 97		Width of Impact (feet): 65	
Depth of Impact (feet BGS): 9		Depth of Impact (inches BGS): _____	
How was extent determined?			
<p>On February 9, 2016, hydrocarbon impacts were discovered during construction activities at the Highway-62N66W12NWSW production facility. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Approximately 980 cubic yards of impacted material were excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado for disposal. 21 confirmation soil samples were collected from the base and sidewalls of the final extent of the excavation area at depths ranging from 5 feet to 9 feet below ground surface (bgs). The soil samples were submitted to Origins Laboratory in Denver, Colorado 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. Analytical results indicated that organic concentrations in soil samples collected from the final extent of the excavation were below the applicable COGCC Table 910-1 standards. Soil samples W02@7' and E04@7' exhibited a pH above regulatory standards but were collected from below the designated root zone. Based on the analytical results, Kerr-McGee is requesting a No Further Action (NFA) determination for this release. The excavation area will be backfilled and contoured to match pre-existing conditions. Soil analytical results are summarized in Table 1 and soil sample locations are illustrated in Figure 2.</p>			
Soil/Geology Description:			
Silty clay to clay.			

Depth to Groundwater (feet BGS) <u>10</u>		Number Water Wells within 1/2 mile radius: <u>18</u>	
If less than 1 mile, distance in feet to nearest	Water Well <u>390</u>	None <input type="checkbox"/>	Surface Water <u>320</u>
	Wetlands <u></u>	None <input checked="" type="checkbox"/>	Springs <u></u>
	Livestock <u>500</u>	None <input type="checkbox"/>	Occupied Building <u>535</u>

CORRECTIVE ACTIONS

#1	Supplemental Report Date:	02/23/2016
Cause of Spill (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Human Error <input checked="" type="checkbox"/> Equipment Failure <input type="checkbox"/> Historical-Unknown </div> <div style="display: flex; justify-content: space-between; 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; padding: 10px; margin-top: 5px; min-height: 60px;"> The initial release appears to be related to a failure associated with a partially buried produced water vessel. During construction and remediation activities, additional historical hydrocarbons impacts were discovered. </div>		
Describe measures taken to prevent the problem(s) from reoccurring: <div style="border: 1px solid black; padding: 10px; margin-top: 5px; min-height: 60px;"> The tank battery will be rebuilt with a geosynthetic liner and a double walled fiberglass sump. </div>		
Volume of Soil Excavated (cubic yards): 980		
Disposition of Excavated Soil (attach documentation) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input checked="" type="checkbox"/> Offsite Disposal <input type="checkbox"/> Onsite Treatment </div> <div style="display: flex; justify-content: space-between; 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: Sam LaRue

Title: Senior HSE Representative Date: 02/29/2016 Email: Sam.LaRue@anadarko.com

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400994534	FORM 19 SUBMITTED
400994535	TOPOGRAPHIC MAP
400996403	SITE MAP
400996418	ANALYTICAL RESULTS

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)