

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

402052396

Date Received:

05/24/2019

Spill report taken by:

Oakman, Kari

Spill/Release Point ID:

464554

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: <u>KERR MCGEE OIL &amp; GAS ONSHORE LP</u>	Operator No: <u>47120</u>	<b>Phone Numbers</b>
Address: <u>P O BOX 173779</u>		Phone: <u>(970) 515-1698</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-3779</u>		Mobile: <u>( )</u>
Contact Person: <u>Greg Hamilton</u>		Email: <u>Gregory.Hamilton@ana darko.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402048330

Initial Report Date: 05/20/2019 Date of Discovery: 05/17/2019 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENE SEC 21 TWP 2N RNG 66W MERIDIAN 6

Latitude: 40.128160 Longitude: -104.776370

Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

Reference Location:

Facility Type: WELL  Facility/Location ID No \_\_\_\_\_

Spill/Release Point Name: Doris Smith 41D-21  No Existing Facility or Location ID No.

Number: 1  Well API No. (Only if the reference facility is well) 05-123-09626

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: OTHER Other(Specify): Well Pad

Weather Condition: Rain, 50°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):

During plugging and abandonment activities at the Doris Smith 41D-21 #1 wellhead, historical petroleum hydrocarbon impacts were encountered. The volume of the release is unknown. Based on the volume of impacted soil excavated, the release was reported to the COGCC on May 17, 2019. The 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.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
5/17/2019	Weld County	Jason Maxey	-	Notified via Email
5/17/2019	Weld County	Roy Rudisill	-	Notified via Email
5/17/2019	Landowner	Landowner	-	Notified via Phone and Voicemail

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: 05/24/2019

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	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<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): 41 Width of Impact (feet): 16

Depth of Impact (feet BGS): 8 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On May 16 and 17, 2019, nine soil samples were collected from the base and sidewalls of the excavation and submitted for laboratory analysis of TPH, BTEX, and naphthalene. The base soil sample was also submitted for laboratory analysis of pH, EC, and SAR. Laboratory analytical soil 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. One groundwater sample (GW01) was collected from the excavation for laboratory analysis of BTEX. Laboratory analytical results indicated that BTEX concentrations were in full compliance with COGCC Table 910-1 allowable levels. Approximately 220 cubic yards of impacted soil were excavated and transported to the Kerr McGee Land Treatment Facility in Weld County, Colorado, for recycling. Approximately 50 barrels of groundwater were removed from the excavation and transported to the Aggregate Recycle Facility in Weld County, Colorado. The general site layout, excavation dimensions, and soil sample locations are depicted on the Excavation Site Map provided as Figure 2. The soil and groundwater sample analytical results are summarized in Table 1 and Table 2, respectively. The laboratory analytical reports are attached.

Soil/Geology Description:

Clay (CL)

Depth to Groundwater (feet BGS) 15

Number Water Wells within 1/2 mile radius: 8

If less than 1 mile, distance in feet to nearest

Water Well 1060 None

Surface Water 2380 None

Wetlands \_\_\_\_\_ None

Springs \_\_\_\_\_ None

Livestock 1490 None

Occupied Building 1230 None

Additional Spill Details Not Provided Above:

No further action is required. Laboratory analytical results for the soil samples indicate 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. Laboratory analytical results for the groundwater sample indicate that BTEX concentrations are in full compliance with COGCC Table 910-1 allowable levels. Based on the soil and groundwater sample analytical results, Kerr-McGee is requesting a No Further Action status for this site.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/24/2019

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 plugging and abandonment activities at the Doris Smith 41D-21 #1 wellhead, historical petroleum hydrocarbon impacts were encountered. The volume of the release is unknown.

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

The wellhead is being plugged and abandoned. The excavation will be restored to its pre-release grade.

Volume of Soil Excavated (cubic yards): 220

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

Other (specify) Kerr McGee Land Treatment Facility in Weld County, CO

Volume of Impacted Ground Water Removed (bbls): 50

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: 05/24/2019 Email: Gregory.Hamilton@anadarko.com

**COA Type****Description**

	Based on the information presented, it appears that no further action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be impacted, then further investigation and/or further remediation activities may be required. In addition, the surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules.
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**Attachment Check List****Att Doc Num****Name**

402052396	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402052397	TOPOGRAPHIC MAP
402052513	ANALYTICAL RESULTS
402055315	SITE MAP
402055770	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)