

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400706236

Date Received:

10/10/2014

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. 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	Mobile: (970) 515-1161
Zip: 80217-3779		Email: phil.hamlin@anadarko.com
Contact Person: Phil Hamlin		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400706236

Initial Report Date: 10/10/2014 Date of Discovery: 10/02/2014 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWNE SEC 31 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.184659 Longitude: -104.815363

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: FLOWLINE

☐ Facility/Location ID No

☐ No Existing Facility or Location ID No.

☒ Well API No. (Only if the reference facility is well) 05-123-08232

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): 0

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: NON-CROP LAND

Other(Specify):

Weather Condition: 60s, Cloudy

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 swabbing activities, a flow line release was discovered adjacent to the separator at the UPRR 42 Pan Am X #1 production facility. Groundwater was encountered during excavation activities at approximately 4 feet below ground surface (bgs). A groundwater sample (GW01) was collected and submitted to Origins Laboratory in Denver, Colorado for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX). Analytical results returned on October 2, 2014 indicated that benzene concentrations in the groundwater sample were above applicable COGCC Table 910-1 standards, causing this release to be reportable. The original Initial Spill Report was submitted on October 3, 2014; however, due to an error in the API number, the form was withdrawn and resubmitted on October 10, 2014, per Bob Chesson and Chris Canfield.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
10/2/2014	County	Tom Parko	-Email	
10/2/2014	County	Roy Rudisill	-Email	

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 10/10/2014		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input 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? YES 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):	35	Width of Impact (feet):	30
Depth of Impact (feet BGS):	4	Depth of Impact (inches BGS):	0

How was extent determined?

On October 2, 2014, a flow line release was discovered during swabbing activities at the UPRR 42 Pan Am X #1 production facility. Approximately 180 cubic yards of impacted material were removed and transported to Kerr-McGee's land treatment facility in Weld County, Colorado. The vertical and lateral extent of the excavation was determined using a photoionization detector to field screen volatile organic compound concentrations in soil. Eight soil samples were collected from the sidewalls of the final extent of the excavation at approximately 2 feet below ground surface (bgs) and were submitted to Origins Laboratory in Denver, Colorado for analysis of BTEX and TPH using USEPA Methods 8260B and 8015, respectively. Analytical results indicated that constituent concentrations in the eight soil samples were below applicable COGCC Table 910-1 standards. Groundwater was encountered in the excavation at approximately 4 feet bgs. On October 1, 2014, a groundwater sample (GW01) was collected from the excavation and submitted for laboratory analysis of TBEX. Analytical results indicated benzene concentrations in GW01 were in exceedance of applicable regulatory standards. Approximately 10 barrels of groundwater were subsequently removed from the excavation using a vacuum truck and transported to a licensed injection facility. On October 6, 2014, a second groundwater sample (GW02) was collected and submitted for laboratory analysis. Analytical results indicated constituent concentrations in GW02 were below applicable regulatory standards. Prior to backfilling, 260 pounds of activated carbon were introduced to the excavation area to address any remaining dissolved aqueous phase petroleum hydrocarbon impacts. The excavation area was subsequently backfilled and re-contoured to match pre-existing conditions.

Soil/Geology Description:

Find sand.

Depth to Groundwater (feet BGS)	4	Number Water Wells within 1/2 mile radius:	22
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If less than 1 mile, distance in feet to nearest Water Well 1050 None ☐ Surface Water 1000 None ☐
Wetlands None ☒ Springs None ☒
Livestock None ☒ Occupied Building 1150 None ☐

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 10/10/2014

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 swabbing activities, a hole was discovered in the flow line adjacent to the separator.

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

The flow line will be replaced with a new 80 gauge steel flow line.

Volume of Soil Excavated (cubic yards): 180

Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment
☐ Other (specify) _____

Volume of Impacted Ground Water Removed (bbls): 10

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: _____

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

Signed: _____ Print Name: Phil Hamlin

Title: Senior HSE Representative Date: 10/10/2014 Email: phil.hamlin@anadarko.com

Attachment Check List

Att Doc Num	Name
400706263	SITE MAP
400706265	TOPOGRAPHIC MAP
400706273	FORM 19 SUBMITTED
400706284	ANALYTICAL RESULTS

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)