

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:

401356483

Date Received:

07/28/2017

Spill report taken by:

GINTAUTAS, PETER

Spill/Release Point ID:

451508

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: <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> Zip: <u>80217-3779</u> | | Mobile: <u>(970) 515-1431</u> |
| Contact Person: <u>Paul Schwarz</u> | | Email: <u>Paul.Schwarz@anadarko.com</u> |

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401356483

Initial Report Date: 07/27/2017 Date of Discovery: 07/27/2017 Spill Type: Historical Release

Spill/Release Point Location:

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

Latitude: 40.169604 Longitude: -104.827153

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: NON-CROP LAND Other(Specify): _____

Weather Condition: Overcast ~ 85 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 July 26, 2017, historical impacts were discovered during P&A activities beneath the produced water sump at the Magness Federal 4 -6A production facility. Groundwater was encountered within the excavation at approximately 4 feet below ground surface (bgs). A groundwater sample (GW01) was collected and submitted to Origins Laboratory for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8260C. Analytical results received on July 27, 2017, indicated that the benzene and total xylenes concentrations in groundwater sample GW01 were above the applicable COGCC Table 910-1 standards. 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 |
|-----------|--------------|--------------|--------|----------|
| 7/27/2017 | County | Roy Rudisill | -email | |
| 7/27/2017 | County | Troy Swain | -email | |
| 7/27/2017 | County | Tom Parko | -email | |
| 7/27/2017 | Private | Landowner | -phone | |

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 07/28/2017

| 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 | <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): 14 Width of Impact (feet): 14

Depth of Impact (feet BGS): 4 Depth of Impact (inches BGS): _____

How was extent determined?

On July 26, 2017, historical impacts were discovered during P&A activities beneath the produced water sump at the Magness Federal 4 -6A production facility. 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 benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8260C. Analytical results received on July 27, 2017, indicated that the benzene and total xylenes concentrations in groundwater sample GW01 were above the applicable COGCC Table 910-1 standards. On July 27, 2017, a second groundwater sample (GW02) was collected following the removal of 10 barrels of groundwater from the excavation and submitted to Origins Laboratory for analysis of BTEX. Analytical results indicated that the benzene concentration in groundwater sample GW02 remained above the applicable COGCC Table 910-1 standard. Four (4) confirmation soil samples were collected from the sidewalls of the sump removal excavation at approximately 2 feet bgs. The soil samples were submitted to Origins Laboratory for analysis of 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 sump removal excavation were below the applicable COGCC Table 910-1 standards. Prior to backfilling, 44 pounds of activated carbon were introduced into the excavation to address residual 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

Depth to Groundwater (feet BGS) 4 Number Water Wells within 1/2 mile radius: 12
If less than 1 mile, distance in feet to nearest Water Well 1330 None Surface Water 125 None
Wetlands None Springs None
Livestock 130 None Occupied Building 235 None

Additional Spill Details Not Provided Above:

A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. Soil and groundwater sample locations are illustrated on Figure 2. Groundwater analytical results are summarized in Table 1 and soil analytical results are summarized in Table 2. The laboratory analytical reports are 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: 07/28/2017

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)

Historical impacts were discovered beneath the produced water sump during P&A activities.

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

Site infrastructure has been removed and will not be replaced.

Volume of Soil Excavated (cubic yards): 0

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: _____

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: 07/28/2017 Email: Paul.Schwarz@anadarko.com

COA Type**Description**

| | |
|--|---|
| | Provide documentation justifying closure request within 90 days of release via supplemental form 19. This spill was discovered as part of removal of a partly buried water vessel. Removal of partly buried water vessels requires submission of site investigation and remediation plan (Form 27) and this document must be submitted for prior approval (rule 905.b) and in this case must be submitted no later than (25October2017) as part of spill closure. |
|--|---|

Attachment Check List**Att Doc Num****Name**

| | |
|-----------|---------------------------|
| 401356483 | SPILL/RELEASE REPORT(I/S) |
| 401356756 | TOPOGRAPHIC MAP |
| 401356773 | ANALYTICAL RESULTS |
| 401356775 | ANALYTICAL RESULTS |
| 401357411 | ANALYTICAL RESULTS |
| 401357413 | SITE MAP |
| 401357418 | ANALYTICAL RESULTS |
| 401358080 | FORM 19 SUBMITTED |

Total Attach: 8 Files

General Comments**User Group****Comment****Comment Date**

| | | |
|--|--|---------------------|
| | | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)