

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401916728

Date Received:

01/25/2019

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. 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) 515-1698</u> |
| Contact Person: <u>Gregory Hamilton</u> | | Email: <u>Gregory.Hamilton@ana-darko.com</u> |

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401916728

Initial Report Date: 01/24/2019 Date of Discovery: 01/23/2019 Spill Type: Historical Release

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESW SEC 4 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.247889 Longitude: -104.786169

Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: OTHER Facility/Location ID No _____

Spill/Release Point Name: _____ No Existing Facility or Location ID No.

Number: _____ 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): <u>0</u> | Estimated Condensate Spill Volume(bbl): <u>Unknown</u> |
| Estimated Flow Back Fluid Spill Volume(bbl): <u>0</u> | Estimated Produced Water Spill Volume(bbl): <u>0</u> |
| Estimated Other E&P Waste Spill Volume(bbl): <u>0</u> | Estimated Drilling Fluid Spill Volume(bbl): <u>0</u> |

Specify: _____

Land Use:

Current Land Use: CROP LAND Other(Specify): _____

Weather Condition: Clear ~ 30 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):

Historical impacts were discovered during the abandonment of a gas sales line associated with the Kern L 4-14 production facility. Approximately 190 cubic yards of impacted material were removed and transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado. Excavation activities were guided in the field by screening soil for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Groundwater was encountered within the excavation at approximately 4.5 feet below ground surface (bgs). 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 |
|-----------|--------------|--------------|--------|----------|
| 1/23/2019 | County | Jason Maxey | -email | |
| 1/23/2019 | County | Roy Rudisill | -email | |
| 1/23/2019 | Private | Landowner | -phone | |

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: | | | |
|-----------------|---------------------------|-----------------|-------------------------------------|--|
| | 01/24/2019 | | | |
| FLUIDS | BBL's SPILLED | BBL's RECOVERED | Unknown | |
| OIL | 0 | 0 | <input type="checkbox"/> | |
| CONDENSATE | | | <input checked="" type="checkbox"/> | |
| PRODUCED WATER | 0 | 0 | <input 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? 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): 30 Width of Impact (feet): 30

Depth of Impact (feet BGS): 4 Depth of Impact (inches BGS): 6

How was extent determined?

Historical impacts were discovered during the abandonment of a gas sales line associated with the Kern L 4-14 production facility. Four (4) confirmation soil samples were collected from the sidewalls of the final lateral extent of the excavation area at approximately 3.5 feet below ground surface (bgs). The soil samples were submitted to Origins Laboratory 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. Laboratory analytical results indicated that constituent concentrations in the soil samples collected from the sidewalls of the final lateral extent of the excavation area were in full compliance with the COGCC standards. Groundwater was encountered in the excavation at approximately 4.5 feet bgs. On January 22, 2019, a groundwater sample (GW01) was collected from the excavation area following the removal of approximately 40 barrels of groundwater from the excavation and submitted to Origins Laboratory for analysis of BTEX by USEPA Method 8260C. Analytical results received on January 23, 2019, indicated that the benzene concentration in groundwater sample GW01 was out of compliance with the COGCC standard. Excavation groundwater recovery activities are ongoing and will be summarized in a forthcoming Initial Form 27 Site Investigation and Remediation Workplan.

Soil/Geology Description:

Clayey sand

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 440 None

Surface Water 250 None

Wetlands _____ None

Springs _____ None

Livestock 200 None

Occupied Building 435 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. Soil analytical results are summarized in Table 1 and groundwater analytical results are summarized in Table 2. The laboratory analytical reports are provided as Attachment A.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/24/2019

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)

Historical impacts were discovered during the abandonment of a gas sales line.

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): 190

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

Other (specify) _____

Volume of Impacted Ground Water Removed (bbls): 40

Volume of Impacted Surface Water Removed (bbls): _____

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: Gregory Hamilton

Title: Senior Staff Env Rep Date: 01/25/2019 Email: Gregory.Hamilton@anadarko.com

COA Type

Description

| COA Type | Description |
|----------|-------------|
| | |

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------|
| 401916933 | ANALYTICAL RESULTS |
| 401916936 | ANALYTICAL RESULTS |
| 401916951 | OTHER |
| 401917243 | TOPOGRAPHIC MAP |
| 401917247 | ANALYTICAL RESULTS |
| 401917248 | ANALYTICAL RESULTS |
| 401917646 | SITE MAP |

Total Attach: 7 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|------------------------|
| | | Stamp Upon Approval |

Total: 0 comment(s)