

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:

403039068

Date Received:

05/05/2022

Spill report taken by:

Graber, Candice
(Nikki)

Spill/Release Point ID:

482129

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 912.b. for reporting requirements of spills or releases of E&P Waste, produced Fluids, or unauthorized Releases of natural gas. Submit a Site Investigation and Remediation Workplan (Form 27) if Rule 913.c. applies.

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@oxy.com</u> |

Transfer of Operatorship: Pursuant to Rule 912.f, this Supplemental Form 19 is being submitted to designate the Buying Operator as the responsible Operator for this Spill and Release.

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 403039068

Initial Report Date: 05/05/2022 Date of Discovery: 05/05/2022 Spill Type: Historical Release

Spill/Release Point Location:

QTRQTR NESW SEC 12 TWP 1N RNG 67W MERIDIAN 6

Latitude: 40.064847 Longitude: -104.839192

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

Enter Lat./long measurement of the actual Spill/Release Point. Lat./Long. Data shall meet standards of Rule 216.

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 418845

Spill/Release Point Name: Riverbend Tank Battery AST Release Well API No. (Only if the reference facility is well) 05- -

No Existing Facility or Location ID 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: _____

Has the subject Spill/Release been controlled at the time of reporting? Yes

Land Use:

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

Weather Condition: Light rain, ~45 degrees F.

Surface Owner: FEE Other(Specify): _____

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

On May 5, 2022, historical soil impacts were discovered below a former above-ground storage tank (AST) during facility upgrade activities at the Riverbend 10, 22, 25-12 O SA production facility. Excavation and assessment activities are ongoing. A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1.

List of Agencies and Other Parties Notified Pursuant to Rule 912.b.(7)-(11):

OTHER NOTIFICATIONS

| <u>Date</u> | <u>Agency/Party</u> | <u>Contact</u> | <u>Phone</u> | <u>Response</u> |
|-------------|----------------------------|----------------|--------------|-----------------|
| 5/5/2022 | Landowner | Private | -email | |
| 5/5/2022 | Aurora Public Water Supply | B. Oligo | -phone | |
| 5/5/2022 | CO Parks & Wildlife | B. Marette | -email | |
| 5/5/2022 | Weld County | J. Maxey | -email | |
| 5/5/2022 | Weld County | R. Rudisill | -email | |

REPORT CRITERIA

Rule 912.b.(1) Report to the Director (select all criteria that apply):

No Rule 912.b.(1).A: A Spill or Release of any size that impacts or threatens to impact any Waters of the State, Public Water System, residence or occupied structure, livestock, wildlife, or publicly-maintained road.

Waters of the State: _____ Public Water System: _____
 Residence or Occupied Structure: _____ Livestock: _____
 Wildlife: _____ Publicly-Maintained Road: _____

No Rule 912.b.(1).B: A Spill or Release in which 1 barrel or more of E&P Waste or produced fluids is spilled or released outside of berms or other secondary containment.

No Rule 912.b.(1).C: A Spill or Release of 5 barrels or more of E&P Waste or produced Fluids regardless of whether the Spill or Release is completely contained within berms or other secondary containment.

No Rule 912.b.(1).D: Within 6 hours of discovery, a Grade 1 Gas Leak. For a Grade 1 Gas Leak from a Flowline, the Operator also must submit the Form 19 – Initial, document number on a Form 44, Flowline Report, for the Grade 1 Gas Leak

Enter the approximate time of discovery _____ (HH:MM)
 Enter the Document Number of the Grade 1 Gas Leak Report, Form 44 _____
 Was there a reportable accident associated with either a Grade 1 Gas Leak or an E&P waste spill or release? _____
 Enter the Document Number of the Initial Accident Report, Form 22 _____
 Was there damage during excavation? _____
 Was CO 811 notified prior to excavation? _____

No Rule 912.b.(1).E: The discovery of 10 cubic yards or more of impacted material resulting from a current or historic Spill or Release. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards.

Estimated Volume of Impacted Solids (cu. yd.): _____

No Rule 912.b.(1).F: The discovery of impacted Waters of the State, including Groundwater. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards. The presence of free product or hydrocarbon sheen on Groundwater or surface water is reportable. The presence of contaminated soil in contact with Groundwater or surface water is reportable. Check all that apply:

The presence of free product or hydrocarbon sheen Surface Water

The presence of free product or hydrocarbon sheen on Groundwater

The presence of contaminated soil in contact with Groundwater

The presence of contaminated soil in contact with Surface water

Yes Rule 912.b.(1).G: A suspected or actual Spill or Release of any volume where the volume cannot be immediately determined, including a spill or release of any volume that daylight from the subsurface.

No Rule 912.b.(1).H: Spill or Release resulting in vaporized hydrocarbon mists that leave the Oil and Gas Location or Off-Location Flowline right of way from an Oil and Gas Location and impacts or threatens to impact off-location property.

Areas offsite of Oil & Gas Location Off-Location Flowline right of way

No Rule 912.b.(1).I: A Release of natural gas that results in an accumulation of soil gas or gas seeps.

No Rule 912.b.(1).J: A Release that results in natural gas in Groundwater.

SPILL/RELEASE DETAIL REPORTS

| | | | |
|---|---|-------------------------------------|-------------------------------------|
| #1 | Supplemental Report Date: <u>05/05/2022</u> | | |
| 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 | 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>YES</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): <u>5</u> | |
| | | Width of Impact (feet): <u>5</u> | |
| Depth of Impact (feet BGS): <u>0</u> | | Depth of Impact (inches BGS): _____ | |
| How was extent determined? | | | |
| <p>During production facility upgrades on May 4, 2022, five confirmation soil samples were collected from the former AST locations and submitted for laboratory analysis of select constituents in Table 915-1 using COGCC-approved methods appropriate for detecting the target analytes, in accordance with COGCC Operator Guidance - Rule 911.A.(4) - Oil and Gas Facility Closure and Rules 913 and 915. Preliminary analytical results received on May 5, 2022, indicated that the benzene, toluene, ethylbenzene, total xylenes (BTEX), total petroleum hydrocarbons (TPH), 1,2,4- and 1,3,5-trimethylbenzene concentrations in soil sample AST-B06@3", collected from below a former AST location, exceeded the applicable COGCC Table 915-1 soil standards. Analytical results indicate that constituent concentrations in the remaining four soil samples collected from below the former AST locations were in compliance with the COGCC Table 915-1 standards. Additional soil analytical results are pending laboratory analysis and final reporting. Excavation and assessment activities are ongoing and will be summarized in a forthcoming quarterly Form 27-Supplemental Site Investigation and Remediation Workplan under Remediation Project No. 22910 (approved Form 27 Document No. 403018944). A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. Soil sample location and field screening data are provided in Table 1. Field notes and a photographic log are provided as Attachment A. The State Notification email is provided as Attachment B.</p> | | | |
| Soil/Geology Description: | | | |
| Clayey sand (SC) | | | |

Depth to Groundwater (feet BGS) 20 Number Water Wells within 1/2 mile radius: 28
 If less than 1 mile, distance in feet to nearest Water Well 220 None Surface Water 370 None
 Wetlands 1050 None Springs _____ None
 Livestock 2020 None Occupied Building 1975 None

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/05/2022

Root Cause of Spill/Release Unknown (Historical)

Other (specify) _____

Type of Equipment at Point of Spill/Release: Other

If "Other" selected above, specify or describe here:

Above-ground storage tank

Describe Incident & Root Cause (include specific equipment and point of failure)

Historical soil impacts were discovered below a former AST during production facility upgrade activities.

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

The affected infrastructure has been removed and will not be replaced.

Volume of Soil Excavated (cubic yards): _____

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

Volume of Impacted Ground Water Removed (bbls): _____

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, check all that apply)
 - Horizontal and Vertical extents of impacts have been delineated.
 - Documentation of compliance with Table 915-1 is attached.
 - All E&P Waste has been properly treated or disposed.
 - Work proceeding under an approved Form 27 (Rule 912.c).
 Form 27 Remediation Project No: 22910
 - SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

OPERATOR COMMENTS:

Excavation and assessment activities are ongoing and will be summarized in a forthcoming Form 27-Supplemental within 90-days of the release discovery date.

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: Environmental Consultant Date: 05/05/2022 Email: Gregory_Hamilton@oxy.com

Condition of Approval

| COA Type | Description |
|-----------------|--|
| | Location lies within a mapped Mule Deer Severe Winter Range Buffer. Please note that Approval of this Form 19 does not supersede any Federal, State or Local regulations. COGCC recommends consultation with Colorado Parks and Wildlife. |
| | Operator shall collect confirmation soil samples as described in the Rule 915.e.(2) Guidance Document. Operator will analyze soil samples for TPH (C6-C36), Table 915-1 Organic Compounds in Soil, Table 915-1 metals, and Table 915-1 Soil Suitability for Reclamation (Electrical conductivity, Sodium adsorption ratio, and pH by saturated paste method, boron (hot water soluble)). |
| | Quarterly reporting is required under Remediation Project #22910. |
| | Operator shall comply with Table 915-1 Protection of Groundwater Soil Screening Level Concentrations. |
| 4 COAs | |

Attachment List

| Att Doc Num | Name |
|--------------------|---------------------------|
| 403039068 | SPILL/RELEASE REPORT(I/S) |
| 403039401 | PHOTO DOCUMENTATION |
| 403039424 | OTHER |
| 403040128 | TOPOGRAPHIC MAP |
| 403040129 | CORRESPONDENCE |
| 403042461 | FORM 19 SUBMITTED |

Total Attach: 6 Files

General Comments

| User Group | Comment | Comment Date |
|-------------------|----------------|---------------------|
| | | Stamp Upon Approval |

Total: 0 comment(s)