

State of Colorado
Energy & Carbon Management Commission

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Document Number:

403850094

Date Received:

07/30/2024

Spill report taken by:

Ahmadian, Alexander

Spill/Release Point ID:

486602

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to ECMC 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) 515-1727</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-3779</u> | | Mobile: <u>()</u> |
| Contact Person: <u>Eve Bugarin</u> | | Email: <u>DJRemediation_Forms@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# 403778922

| | | |
|--|--------------------------------------|---------------------------------|
| Initial Report Date: <u>05/03/2024</u> | Date of Discovery: <u>05/03/2024</u> | Spill Type: <u>Recent Spill</u> |
|--|--------------------------------------|---------------------------------|

Spill/Release Point Location:

QTRQTR SESW SEC 24 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.204306 Longitude: -104.725920

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.

Check this box if this spill/release is related to a loss of integrity of a flowline, pipeline, crude oil transfer line, or produced water transfer line.

Reference Location:

Facility Type: TANK BATTERY Facility/Location ID No 437520

Spill/Release Point Name: Miller 29N 18N 4N-24HZ O SA 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: NON-CROP LAND

Other(Specify): _____

Weather Condition: FAIR, ~60 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 3, 2024, a release was discovered following the discovery of fluids daylighting from the subsurface at the MILLER 29N 18N 4N-24HZ O SA Production Facility location, beneath one of the horizontal separators. 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> |
|-------------|---------------------|----------------|--------------|-----------------|
| 5/3/2024 | Landowner | Private | -phone | |
| 5/3/2024 | Weld County | J. Maxey | -email | |
| 5/3/2024 | 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. <input type="checkbox"/> Areas offsite of Oil & Gas Location <input type="checkbox"/> 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>07/30/2024</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>NO</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>8</u> | | Width of Impact (feet): <u>7</u> | |
| Depth of Impact (feet BGS): <u>4</u> | | Depth of Impact (inches BGS): _____ | |
| How was extent determined? | | | |
| <p>On May 3, 2024, a release was discovered following the discovery of fluids daylighting from the subsurface at the Miller 29N 18N 4N-24HZ O SA Production Facility location, beneath one of the horizontal separators. On May 6, 2024, a waste characterization soil sample (REL-B01@3") was collected from the material within the release area that was most likely to be impacted, based on field observations and PID readings. The waste characterization sample was submitted for laboratory analysis of the full Table 915-1 analytical suite using standard ECMC-approved methods appropriate for detecting the target analytes. Analytical results indicated that the total xylenes, total petroleum hydrocarbons (TPH), 1,2,4- and 1,3,5-trimethylbenzene (TMB), 1- and 2-methylnaphthalene, naphthalene, SAR, and cadmium concentrations in soil sample REL-B01@3" exceeded the applicable ECMC Table 915-1 standards and/or site-specific background levels (x 1.25 for metals). The remaining analytical results for the waste characterization soil sample were in compliance with ECMC standards and/or within site-specific background levels (x 1.25 for metals). As such, additional excavation activities were conducted to address remaining soil impacts. On June 6, 2024, five (5) confirmation soil samples were collected from the final excavation extents, at depths of approximately 3 to 4 feet below ground surface (bgs). Based on the waste characterization results for sample REL-B01@3", the confirmation soil samples were submitted for laboratory analysis of BTEX, 1,2,4- and 1,3,5-TMB, TPH-GRO (C6-C10), DRO (C10-C28), ORO (C28-C40), PAHs, As, Ba, Cd, Pb, Ni, and SAR using standard ECMC-approved methods. Soil sampling results are described below.</p> | | | |
| Soil/Geology Description: | | | |
| Silty Sand - SM | | | |
| Depth to Groundwater (feet BGS) <u>20</u> | | Number Water Wells within 1/2 mile radius: <u>4</u> | |
| If less than 1 mile, distance in feet to nearest | Water Well <u>1960</u> None <input type="checkbox"/> | Surface Water <u>1130</u> None <input type="checkbox"/> | |
| | Wetlands _____ None <input checked="" type="checkbox"/> | Springs _____ None <input checked="" type="checkbox"/> | |
| | Livestock _____ None <input checked="" type="checkbox"/> | Occupied Building <u>3040</u> None <input type="checkbox"/> | |
| Additional Spill Details Not Provided Above: | | | |

Analytical results for the 5 confirmation soil samples collected from the final excavation extent indicate that constituent concentrations were in compliance with the applicable ECMC Table 915-1 soil standards and/or within site-specific background levels (x 1.25 for metals). Based on the analytical and soil screening data presented herein, and the current and continued land use as an active oil and gas production facility, assessment is complete at this site and no further activities are required. As such, Kerr-McGee is requesting a No Further Action (NFA) determination for this location. A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. The soil sample locations are illustrated on Figure 2. Soil sample location and field screening data are presented in Table 1. The soil analytical results are summarized in Tables 2 through 5. The laboratory analytical reports are provided as Attachment A. The field notes and a photographic log are provided as Attachment B. The State Notification email is provided as Attachment C.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 07/30/2024

Root Cause of Spill/Release Equipment Failure
Other (specify) _____

Type of Equipment at Point of Spill/Release: Horizontal Separator

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

Describe Incident & Root Cause (include specific equipment and point of failure)
A release was discovered following the discovery of fluids daylighting from the subsurface at the Miller 29N 18N 4N-24HZ O SA Production Facility location, beneath one of the horizontal separators.

Describe measures taken to prevent the problem(s) from reoccurring:
The affected infrastructure was removed for ongoing cleanup and site assessment activities.

Volume of Soil Excavated (cubic yards): 20

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

Volume of Impacted Ground Water Removed (bbls): 0

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, 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: _____
 - SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

OPERATOR COMMENTS:

Analytical results indicate that constituent concentrations in the five (5) confirmation soil samples collected from the final excavation extent were in compliance with ECMC Table 915-1 soil standards and/or within the site-specific background levels (x1.25 for metals). Based on the analytical and soil screening data presented herein, and the current and continued land use as an active oil and gas production facility, assessment is complete at this site and no further activities are required at this time. As such, Kerr-McGee is requesting an NFA determination for this location.

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

Signed: _____ Print Name: Eve Bugarin

Title: Environmental Advisor Date: 07/30/2024 Email: DJRemediation_Forms@oxy.com

COA Type

Description

| | |
|--|--|
| | <p>Based on the information presented, it appears that no further action is necessary at this time and the ECMC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding ECMC standards or if groundwater is found to be impacted, then further investigation and/or 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.</p> <p>For locations with active ongoing oil and gas operations, comply with Rule 1003 interim reclamation requirements.</p> |
|--|--|

1 COA

ATTACHMENT LIST

| <u>Att Doc Num</u> | <u>Name</u> |
|---------------------------|------------------------------------|
| 403850094 | SPILL/RELEASE REPORT(SUPPLEMENTAL) |
| 403852939 | ANALYTICAL RESULTS |
| 403852945 | PHOTO DOCUMENTATION |
| 403852948 | CORRESPONDENCE |
| 403852949 | TOPOGRAPHIC MAP |
| 403852951 | SOIL SAMPLE LOCATION MAP |
| 403852953 | ANALYTICAL RESULTS |
| 403885788 | FORM 19 SUBMITTED |

Total Attach: 8 Files

General Comments

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

Total: 0 comment(s)