

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

403265133

Date Received:

12/19/2022

Spill report taken by:

Ahmadian, Alexander

Spill/Release Point ID:

483772

SPILL/RELEASE REPORT (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# 403263697

Initial Report Date: 12/16/2022 Date of Discovery: 12/16/2022 Spill Type: Historical Release

Spill/Release Point Location:

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

Latitude: 40.209020 Longitude: -104.727420

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: WELL

Facility/Location ID No _____

Spill/Release Point Name: Miller 23-24 Wellhead Reclamation

Well API No. (Only if the reference facility is well) 05-123-24491

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: Fair, ~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 December 16, 2022, historical soil impacts were discovered during reclamation activities at the former Miller 23-24 wellhead location. 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>
12/16/2022	Weld County	J. Maxey	-email	
12/16/2022	Weld County	R. Rudisill	-email	
12/16/2022	Landowner	Private	-phone	

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>12/19/2022</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	<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? <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>42</u>		Width of Impact (feet): <u>30</u>	
Depth of Impact (feet BGS): <u>0</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
<p>Historical soil impacts were discovered during reclamation activities at the former Miller 23-24 wellhead location, following cut and cap and decommissioning activities. Excavation and site assessment activities to address historical impacts are currently ongoing. On December 8, 2022, three (3) preliminary soil samples were collected from the reclamation area of interest at the site, and submitted for laboratory analysis of Table 915-1 constituents. Based on soil screening and field observations, the soil sample exhibiting the highest degree of potential impacts (REC-SS01@3") was selected for waste characterization purposes and was submitted for laboratory analysis of the full Table 915-1 analytical suite, using COGCC-approved methods appropriate for detecting the target analytes. Analytical results for the soil samples collected on December 8, 2022, indicated that soil impacts were present due to polycyclic aromatic hydrocarbons (PAH), arsenic (As), selenium (Se), pH, specific conductivity (EC), and sodium adsorption ratio (SAR) results above the COGCC Table 915-1 soil standards as well as the range of site-specific background levels. The remaining analytical results for the soil samples collected on December 8, 2022, were in compliance with COGCC standards and/or within the range of site-specific background levels. Excavation and site assessment activities are ongoing and will be summarized in a forthcoming Form 19-Supplemental Spill/Release Report within 90-days of the release discovery date. 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 provided in Table 1. Soil analytical results are summarized in Tables 2 through 5. The laboratory analytical reports is provided as Attachment A. Field notes and a photographic log are provided as Attachment B. The State Notification email is provided as Attachment C.</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>1280</u> None <input type="checkbox"/>	Surface Water <u>260</u> None <input type="checkbox"/>
		Wetlands _____ None <input checked="" type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>
		Livestock <u>400</u> None <input type="checkbox"/>	Occupied Building <u>2475</u> None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Based on the waste characterization soil analytical results presented herein, Kerr-McGee is requesting COGCC approval for the use of a reduced analyte list at this location. Future confirmation soil samples will be submitted for laboratory analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), 1,2,4- and 1,3,5-trimethylbenzene (TMB), total petroleum hydrocarbons (TPH) - gasoline range organics (GRO: C6-C10) by United States Environmental Protection Agency (USEPA) Method 8260D, TPH - diesel and oil range organics (DRO: C10-C28 and ORO: C28-C40) by USEPA Method 8015D, PAHs by USEPA Method 8270D SIM, As and Se by USEPA Method 6020B, pH, EC, and SAR by saturated paste method.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 12/19/2022

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:

Wellhead

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

Historical impacts were discovered during reclamation activities at the former wellhead location.

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):

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

OPERATOR COMMENTS:

Based on the waste characterization soil analytical results presented herein, Kerr-McGee is requesting COGCC approval for the use of a reduced analyte list at this location. Future confirmation soil samples will be submitted for laboratory analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), 1,2,4- and 1,3,5-trimethylbenzene (TMB), total petroleum hydrocarbons (TPH) - gasoline range organics (GRO: C6-C10) by United States Environmental Protection Agency (USEPA) Method 8260D, TPH - diesel and oil range organics (DRO: C10-C28 and ORO: C28-C40) by USEPA Method 8015D, PAHs by USEPA Method 8270D SIM, As and Se by USEPA Method 6020B, pH, EC, and SAR by saturated paste method.

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: 12/19/2022 Email: Gregory_Hamilton@oxy.com

COA Type	Description
	COGCC agrees to the reduced analyte list based on the waste characterization sample.
1 COA	

Attachment List

Att Doc Num	Name
403265133	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403265218	PHOTO DOCUMENTATION
403265219	ANALYTICAL RESULTS
403265220	CORRESPONDENCE
403265223	ANALYTICAL RESULTS
403265227	TOPOGRAPHIC MAP
403265230	SOIL SAMPLE LOCATION MAP
403307979	FORM 19 SUBMITTED

Total Attach: 8 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)