

State of Colorado  
Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403210685

Date Received:

10/28/2022

Spill report taken by:

Ahmadian, Alexander

Spill/Release Point ID:

483281

## 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: KERR MCGEE OIL & GAS ONSHORE LP	Operator No: 47120	<b>Phone Numbers</b> Phone: (720) 929-4306 Mobile: ( ) Email: Erik Mickelson@oxy.com
Address: P O BOX 173779		
City: DENVER	State: CO Zip: 80217-3779	
Contact Person: Erik Mickelson		

☐ 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# 403210685

Initial Report Date: 10/27/2022 Date of Discovery: 10/27/2022 Spill Type: Historical Release

#### Spill/Release Point Location:

QTRQTR NWSE SEC 6 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.251660 Longitude: -104.818350

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: Thompson 25-6 Soil Vapor

☒ Well API No. (Only if the reference facility is well) 05-123-24161

☐ No Existing Facility or Location ID No.

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): 0

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): 0

Estimated Other E&P Waste Spill Volume(bbl): Unknown

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: Stray Oil Gas

Has the subject Spill/Release been controlled at the time of reporting? No

#### Land Use:

Current Land Use: NON-CROP LAND

Other(Specify):

Weather Condition: ~56 degrees, overcast

Surface Owner: FEE

Other(Specify):

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

During plugging and abandonment activities at the Thompson 25-6 wellhead, five (5) shallow soil vapor points (SVPs) were installed in the vicinity of the wellhead. On September 22, 2022, methane was detected with field screening equipment at SVP01 and SVP02. Soil vapor samples were collected from 3 SVPs using IsoTubes™ and an IsoTube™ sampling manifold in conjunction with the pump on a GEM 5000. The samples were submitted to IsoTech for gas composition analysis. Results from the gas composition analysis indicated the presence of a trace concentration of thermogenic gas. The results are attached to this report. An investigation into the nature and source of the soil gas is on-going. The assessment details will be summarized in a supplemental Form 27 report (Remediation No. 24708; Form 27 Initial Document No. 403115154). 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>
10/27/2022	Weld County	R. Rudisill	-email	
10/27/2022	Weld County	J. Maxey	-email	
10/28/2022	Surface Owner	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:  <input type="checkbox"/> The presence of free product or hydrocarbon sheen Surface Water <input type="checkbox"/> The presence of free product or hydrocarbon sheen on Groundwater <input type="checkbox"/> The presence of contaminated soil in contact with Groundwater <input type="checkbox"/> The presence of contaminated soil in contact with Surface water

No	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 daylights 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
Yes	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: 10/27/2022		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input 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			<input checked="" type="checkbox"/>

specify: Stray soil gas

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): \_\_\_\_\_    Width of Impact (feet): \_\_\_\_\_

Depth of Impact (feet BGS): \_\_\_\_\_    Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Assessment and remediation activities are ongoing. The analytical results and assessment details will be provided in a supplemental Form 27 report (Remediation No. 24708; Form 27 Initial Document No. 403115154). A topographic Site Location Map showing the geographic setting of the release is provided as Figure 1. SVP field screening data is presented in Table 1.

Soil/Geology Description:

Silty Sand (SM)

Depth to Groundwater (feet BGS) 16    Number Water Wells within 1/2 mile radius: 18

If less than 1 mile, distance in feet to nearest

Water Well	<u>320</u>	None	<input type="checkbox"/>	Surface Water	<u>920</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>735</u>	None	<input type="checkbox"/>

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 10/27/2022

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)

During plugging and abandonment activities at the Thompson 25-6 wellhead, 5 shallow soil vapor points (SVPs) were installed in the vicinity of the wellhead. On September 22, 2022, methane was detected with field screening equipment, and samples were collected for gas composition analysis from 3 SVPs. Results from the analysis indicated the presence of a trace concentration of thermogenic gas. The volume of the stray gas release is unknown.

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

An investigation to determine the source of the soil gas is ongoing.

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: 24708
  - ☐ SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

### 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: Erik Mickelson

Title: Environmental Lead Date: 10/28/2022 Email: Erik\_Mickelson@oxy.com

COA Type	Description
0 COA	

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403210685	SPILL/RELEASE REPORT(I/S)
403211001	ANALYTICAL RESULTS
403211002	CORRESPONDENCE
403211006	OTHER
403211450	TOPOGRAPHIC MAP
403233541	FORM 19 SUBMITTED

Total Attach: 6 Files

### General Comments

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

Total: 0 comment(s)