

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:

403156368

Date Received:

09/06/2022

Spill report taken by:

Brown, Kari

Spill/Release Point ID:

482913

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>(720) 929-4306</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-3779</u>		Mobile: <u>()</u>
Contact Person: <u>Erik Mickelson</u>		Email: <u>Erik.Mickelson@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# 403156368

Initial Report Date: 09/06/2022 Date of Discovery: 09/06/2022 Spill Type: Historical Release

Spill/Release Point Location:

QTRQTR SWNW SEC 36 TWP 2N RNG 67W MERIDIAN 6

Latitude: 40.096139 Longitude: -104.846467

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 SITE Facility/Location ID No _____

Spill/Release Point Name: Koshio State 5-36A Soil Vapor Well API No. (Only if the reference facility is well) 05-123-21266

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 soil gas

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

Land Use:

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

Weather Condition: Mostly cloudy, ~85 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):

During plugging and abandonment activities at the Koshio State 5-36A wellhead, five (5) shallow soil vapor points (SVPs) were installed in the vicinity of the wellhead. On August 19, 2022, methane was detected with field screening equipment at SVP01 and SVP02. Soil vapor samples were collected from all 5 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. 20626; Form 27 Initial Document No. 402859853). 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>
9/6/2022	CO Parks & Wildlife	B. Marette	-email	
9/6/2022	Weld County	J. Maxey	-email	
9/6/2022	Weld County	R. Rudisill	-email	
9/6/2022	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:

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

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 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

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: 09/06/2022

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>0</u>	<u>0</u>	<input 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			<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. 20626; Form 27 Initial Document No. 402859853). 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) 20 Number Water Wells within 1/2 mile radius: 29

If less than 1 mile, distance in feet to nearest

Water Well	<u>110</u>	None	<input type="checkbox"/>	Surface Water	<u>590</u>	None	<input type="checkbox"/>
Wetlands	<u>590</u>	None	<input type="checkbox"/>	Springs	_____	None	<input checked="" type="checkbox"/>
Livestock	<u>930</u>	None	<input type="checkbox"/>	Occupied Building	<u>520</u>	None	<input type="checkbox"/>

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 09/06/2022

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 Koshio State 5-36A wellhead, 5 shallow soil vapor points (SVPs) were installed in the vicinity of the wellhead. On August 19, 2022, methane was detected with field screening equipment, and samples were collected for gas composition analysis from all 5 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: 20626

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: Senior HSE Advisor Date: 09/06/2022 Email: Erik_Mickelson@oxy.com

Condition of Approval

COA Type**Description**

	Quarterly reporting is required under Remediation Project #20626.
1 COA	

Attachment List

Att Doc Num**Name**

403156368	SPILL/RELEASE REPORT(I/S)
403156415	OTHER
403156418	ANALYTICAL RESULTS
403156419	CORRESPONDENCE
403156420	TOPOGRAPHIC MAP
403165714	FORM 19 SUBMITTED

Total Attach: 6 Files

General Comments

User Group**Comment****Comment Date**

		Stamp Upon Approval
--	--	------------------------

Total: 0 comment(s)