

State of Colorado Oil and Gas Conservation Commission

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



Document Number:

402885276

Date Received:

12/14/2021

Spill report taken by:

CANFIELD, CHRIS

Spill/Release Point ID:

479615

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: KERR MCGEE OIL & GAS ONSHORE LP	Operator No: 47120	Phone Numbers
Address: P O BOX 173779		Phone: (970) 515-1698
City: DENVER State: CO Zip: 80217-3779		Mobile: ()
Contact Person: Greg Hamilton		Email: Gregory.Hamilton@ox.com

☐ 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# 402622380

Initial Report Date: 03/09/2021 Date of Discovery: 03/08/2021 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NENE SEC 7 TWP 1N RNG 67W MERIDIAN 6

Latitude: 40.069567 Longitude: -104.927992

Municipality (if within municipal boundaries): Dacono 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 458702

Spill/Release Point Name: Buddy 17-7HZ Pad

☐ 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): 0

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): >=100

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: OTHER

Other(Specify): Well Pad

Weather Condition: Sunny 50°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 March 8, 2021, a hole in a temporary water tank resulted in the release of approximately 220 barrels of produced water within secondary lined containment at the Buddy 17-7HZ Pad. A small leak in the containment's lining also resulted in the release of approximately 0.75 barrel of produced water outside of containment onto the ground surface. The release was contained onsite. Assessment activities are ongoing, and the assessment details will be summarized in a supplemental report. The 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>
3/8/2021	Weld County	Weld County	-	Notified via Email
3/8/2021	City of Dacono	Jennifer Krieger	-	Notified via Email
3/8/2021	Landowner	Landowner	-	Notified via 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.
- Yes 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? _____ No
- Enter the Document Number of the Initial Accident Report, Form 22 _____
- Was there damage during excavation? _____ No
- 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 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
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: 12/14/2021		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	220		<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? 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): 15 Width of Impact (feet): 12

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): _____

How was extent determined?

Between March 9 and September 22, 2021, seven excavation soil samples were collected and submitted for Table 915-1 analyses. Laboratory analytical results indicated soil exceeded COGCC Table 915-1 allowable levels for specific conductivity (EC), sodium adsorption ratio (SAR), boron, arsenic, barium, and selenium. The impacted soil was excavated and six confirmation soil samples were collected. Laboratory analytical results for the confirmation soil samples indicated soil was in full compliance with COGCC Table 915-1 allowable levels or within the analytical variability of the background samples x 1.25 at the extent of the excavation. Therefore, further excavation was not warranted. Approximately 30 cubic yards of impacted soil were transported to Front Range Landfill in Erie, Colorado, for disposal. The general site layout, excavation dimensions, and soil sample locations are depicted on Figure 2. The soil sample analytical results and PID readings are summarized in Table 1 and Table 2, respectively. The laboratory analytical reports are attached. A Photo Log is included as an attachment.

Soil/Geology Description:

Silty Sand (SM)

Depth to Groundwater (feet BGS) 20 Number Water Wells within 1/2 mile radius: 3

If less than 1 mile, distance in feet to nearest

Water Well	<u>2500</u>	None <input type="checkbox"/>	Surface Water	<u>530</u>	None <input type="checkbox"/>
Wetlands		None <input checked="" type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
Livestock	<u>1130</u>	None <input type="checkbox"/>	Occupied Building	<u>450</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1	Supplemental Report Date: 12/14/2021
Root Cause of Spill/Release <u>Equipment Failure</u>	
Other (specify) _____	
Type of Equipment at Point of Spill/Release: <u>Other</u>	
If "Other" selected above, specify or describe here:	
Temporary Water Tank	
Describe Incident & Root Cause (include specific equipment and point of failure)	
On March 8, 2021, a hole in a temporary water tank resulted in the release of approximately 220 barrels of produced water within secondary lined containment at the Buddy 17-7HZ facility. A small leak in the containments lining also resulted in the release of approximately 0.75 barrel of produced water outside of containment onto the ground surface. The release was contained onsite.	
Describe measures taken to prevent the problem(s) from reoccurring:	
The temporary water tank was replaced.	
Volume of Soil Excavated (cubic yards): <u>30</u>	
Disposition of Excavated Soil (attach documentation) <input checked="" type="checkbox"/> Offsite Disposal <input type="checkbox"/> Onsite Treatment	
<input type="checkbox"/> Other (specify) _____	
Volume of Impacted Ground Water Removed (bbls): <u>0</u>	
Volume of Impacted Surface Water Removed (bbls): <u>0</u>	

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:

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.	
Signed: _____	Print Name: <u>Greg Hamilton</u>
Title: <u>Environmental Consultant</u>	Date: <u>12/14/2021</u> Email: <u>Gregory_Hamilton@oxy.com</u>

COA Type	Description

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402885547	PHOTO DOCUMENTATION
402885594	ANALYTICAL RESULTS
402886802	TOPOGRAPHIC MAP
402886804	SOIL SAMPLE LOCATION MAP

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)