

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:

402579125

Date Received:

01/20/2021

Spill report taken by:

Hughes, Jim

Spill/Release Point ID:

478872

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 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

Name of Operator: <u>KINDER MORGAN CO2 CO LP</u>	Operator No: <u>46685</u>	Phone Numbers
Address: <u>1001 LOUISIANA ST SUITE 1000</u>		Phone: <u>(970) 882-5532</u>
City: <u>HOUSTON</u>	State: <u>TX</u>	Mobile: <u>(970) 403-9501</u>
Zip: <u>77002</u>		Email: <u>co2source_regulatory@kindermorgan.com</u>
Contact Person: <u>Michael Hannigan</u>		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402560568

Initial Report Date: 12/26/2020 Date of Discovery: 12/26/2020 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR SENW SEC 20 TWP 37N RNG 18W MERIDIAN N

Latitude: 37.452886 Longitude: -108.858160

Municipality (if within municipal boundaries): _____ County: MONTEZUMA

Reference Location:

Facility Type: TANK BATTERY

☒ Facility/Location ID No 450901

Spill/Release Point Name: YC Cluster Produced Water Tank

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

☐ No Existing Facility or Location ID No.

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? No

*Secondary containment, **including walls & floor regardless of construction material**, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

Were Five (5) barrels or more spilled? Yes

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): >=5 and <100

Estimated Other E&P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: 22 barrels of produced water inside secondary containment

Land Use:

Current Land Use: NON-CROP LAND

Other(Specify): _____

Weather Condition: Sunny, clear, 32 deg F, no wind

Surface Owner: FEDERAL

Other(Specify): BLM: CANM

Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State ☐ Residence/Occupied Structure ☐ Livestock ☐ Public Byway ☐ Surface Water Supply Area ☐

As defined in COGCC 100-Series Rules

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

A valve on Tank T-501 started leaking slowly overnight. The operator checked the tank levels when he reported for work in the morning and noticed that the produced water level in T-501 had dropped from 7.9' to 7.1' overnight. He went to the YC Cluster to check and discovered the release. The entire release, which was calculated using tank levels to be 22 barrels, was contained within the secondary containment berms. A water truck was called to pump out the remaining produced water from the tank, plus any standing water in the containment area, and haul it to the disposal well. A roustabout crew was called to remove ice (some of the produced water froze overnight) and place it in a containment area at the Yellow Jacket CPF where it would melt into a sump tank.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

<u>Date</u>	<u>Agency/Party</u>	<u>Contact</u>	<u>Phone</u>	<u>Response</u>
12/26/2020	BLM	Jen Jardine	970-385-1242	Notified via email
12/26/2020	BLM	Laura Hartman	-	Notified via email

Was there a Grade 1 Gas Leak? Yes ☐ No ☒

If YES, 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? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Accident Report, Form 22: _____

Was there damage during excavation? Yes ☐ No ☒

If YES, was CO 811 notified prior to excavation? Yes ☐ No ☐

CORRECTIVE ACTIONS

#1Supplemental Report Date:01/20/2021

Root Cause of Spill/ReleaseEquipment Failure

Other (specify)

Type of Equipment at Point of Spill/Release:Other

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

3-inch load valve

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

The release was discovered by a Kinder Morgan CO2 Company, L.P. (KMCO2) plant operator at 8:20 AM on December 26, 2020. Upon reporting for duty at the Yellow Jacket Central Processing Facility (CPF), he reviewed several data trend charts related to various process vessels and equipment. The chart for the YC Cluster facility T-501 (produced water tank) fluid level indicated that overnight the level had dropped from 7.9 feet to 7.1 feet. Knowing that the water level should have been static overnight, the operator drove to the YC Cluster facility and performed a visual check which led to the discovery of the release. The release originated from the truck transfer valve of produced water tank T-501 located at the YC Cluster facility (Latitude 37.452886 N, Longitude -108.858160 E). The release occurred due to a worn interior seal of the 3-inch valve which resulted in a very slow leak. The leak was stopped when the operator called for a vacuum truck to transfer the produced water remaining in the tank to the Yellow Jacket disposal well. A bucket was placed under the leaking valve to catch the dripping water and a roustabout crew was called to remove the slabs of ice that had formed on the soil surface of the secondary containment area surrounding the tank. The ice was taken to the Yellow Jacket CPF where it was placed in a concrete containment area where it melted and drained into a waste sump. Based on the overnight drop in the T-501 fluid level, the total release volume was calculated to be 22 barrels. Approximately two (2) barrels of produced water were recovered, which includes the ice that was removed from the secondary containment area. Approximately 19 barrels of produced water were absorbed into the soil of the secondary containment area. One soil sample was collected from the area impacted by the spill at a depth of approximately two feet below ground surface.

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

An annual task to physically inspect transfer valves for leaks was developed following a similar release in January 2019. In order to minimize the magnitude of similar releases in the future, the KMCO2 Operations and SCADA Support groups are implementing rate-of-change alarms for tanks that store liquids. The new alarms will enhance the situational awareness for SCADA controllers who can call out operators during off-hours and mitigate the severity of releases.

Volume of Soil Excavated (cubic yards):0

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)

☐ Work proceeding under an approved Form 27

Form 27 Remediation Project No:

OPERATOR COMMENTS:

The purpose of this Form 19 (Supplemental) is to provide the results of laboratory analyses of the soil sample collected in the area surrounding Yellow Jacket YC Cluster Tank T-501 that was impacted by the spill of produced water on 12/26/2020. I have also included a photograph of the impacted area from which the sample was collected. The results of analyses show that no COGCC Table 910-1 screening levels were exceeded. At this time we are requesting that no further action is required for remediation of this release from the Yellow Jacket YC Cluster produced water tank T-501.

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

Signed:Print Name:Michael Hannigan

Title:EHS SupervisorDate:01/20/2021Email:michael_hannigan@kindermorgan.com

COA TypeDescription

Attachment List

Att Doc Num

Name

402579168	ANALYTICAL RESULTS
402579593	OTHER

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)