

State of Colorado

Energy & Carbon Management Commission

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Document Number:

403451841

Date Received:

02/27/2024

Spill report taken by:

Anderson, Laurel

Spill/Release Point ID:

484441

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to ECMC 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: NATURAL RESOURCE GROUP INC

Operator No: 10369

Phone Numbers

Address: 801 WEST MINERAL AVE STE 202

Phone: (303) 894-2100

City: LITTLETON

State: CO

Zip: 80120

Mobile: (303) 905-5341

Contact Person: James Hix - East OWP EPS

Email: james.hix@state.co.us

☐ 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# 403395685

Initial Report Date: 05/05/2023

Date of Discovery: 05/04/2023

Spill Type: Historical Release

Spill/Release Point Location:

QTRQTR NENE SEC 26 TWP 1N RNG 68W MERIDIAN 6

Latitude: 40.028071

Longitude: -104.962796

Municipality (if within municipal boundaries): County: BROOMFIELD

Enter Lat./long measurement of the actual Spill/Release Point. Lat./Long. Data shall meet standards of Rule 216.

☐ Check this box if this spill/release is related to a loss of integrity of a flowline, pipeline, crude oil transfer line, or produced water transfer line.

Reference Location:

Facility Type: TANK BATTERY

☒ Facility/Location ID No 321499

Spill/Release Point Name: SHANNON-ROBERTS-61N68W 26NENE Tank

☐ 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): Unknown

Estimated Condensate Spill Volume(bbl): 0

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: NON-CROP LAND Other(Specify): _____

Weather Condition: Sunny, Warm

Surface Owner: FEE Other(Specify): Save-A-Child Inc.

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

The NATURAL RESOURCE GROUP INC. _SHANNON ROBERTS 1-A (OWP) is in the ECMC Orphaned Well Program. A historic spill/release was discovered during tank battery decommissioning beneath the aboveground storage tank and produced water tank within the earthen berm. E&P Waste impacted soils were observed around the produced water tank (PWV) and aboveground storage tank (AST). Contaminated soils were encountered beneath the PWV base, AST base, and at the flowline connection point with the AST. The PWV was delineated down to 10 ft below ground surface (bgs). Soil samples were collected from beneath the AST, PWV and PWV excavation sidewalls and base, and submitted for analysis of full Table 915-1 parameters at a third party laboratory.

List of Agencies and Other Parties Notified Pursuant to Rule 912.b.(7)-(11):

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
5/5/2023	Broomfield City/County	Oil and Gas	-887-3130	Left voice message/email
5/5/2023	Surface Owner	Save-A-Child Inc.	-455-6120	Left voice message/email

REPORT CRITERIA

Rule 912.b.(1) Report to the Director (select all criteria that apply):

- Yes 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: Threatened to Impact Public Water System: n/a
- Residence or Occupied Structure: n/a Livestock: n/a
- Wildlife: Threatened to Impact Publicly-Maintained Road: n/a
- 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?
- Enter the Document Number of the Initial Accident Report, Form 22
- Was there damage during excavation?
- Was CO 811 notified prior to excavation?
- Yes 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.): 550
- 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 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: 08/28/2023		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL		0	<input checked="" type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER		0	<input checked="" type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE		0	<input checked="" type="checkbox"/>
specify: Unknown			
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) <input checked="" type="checkbox"/> Soil <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): 50		Width of Impact (feet): 30	
Depth of Impact (feet BGS): 10		Depth of Impact (inches BGS):	
How was extent determined?			
Visually, field screening, and analytical results - Stained soils were observed beneath the produced water vault (PWV) fiberglass tank and aboveground storage tank (AST). Impacted soils sampled at 10 ft bgs.			
Soil/Geology Description:			
Soil: Ulm clay loam (Map Unit Symbol: 66) 0 to 3 percent slopes (USCS: CL); Geology: Laramie Formation (KI)			
Depth to Groundwater (feet BGS) 10		Number Water Wells within 1/2 mile radius: 8	
If less than 1 mile, distance in feet to nearest	Water Well 640	None <input type="checkbox"/>	Surface Water 10
	Wetlands 10	None <input type="checkbox"/>	Springs
	Livestock	None <input checked="" type="checkbox"/>	Occupied Building 625
Additional Spill Details Not Provided Above:			
The Shannon-Roberts 1-A Tank Battery was decommissioned in May 2023 with removal of equipment and re-grading of the site. Additional site investigation and remediation are needed. On-location flowlines were removed; however, off-location flowlines were abandoned in place due to uncertainty of the location of a midstream pipeline operated by Western Midstream.			

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/08/2023

Root Cause of Spill/Release Equipment Failure

Other (specify)

Type of Equipment at Point of Spill/Release: Peripheral Piping

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

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

Historic spills/releases from the tank battery.

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

The fluids were pumped out of the tanks and the tank battery has been decommissioned and equipment removed. Additional impacted soils need to be further delineated and remediated. The Shannon-Roberts 1-A (OWP) oil and gas well has been plugged and abandoned (PA) by Civitas Resources/Extraction Oil & Gas Inc. as part of a public project. On-location flowlines have been removed.

Volume of Soil Excavated (cubic yards): 10

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, 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: 27481
- ☐ SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

OPERATOR COMMENTS:

The NATURAL RESOURCES GROUP INC. - SHANNON-ROBERTS-61N68W 26NENE (Location ID#321499), Shannon-Roberts 1-A (OWP) oil and gas well (API #05-014-08698) and associated Tank Battery are in the ECMC Orphaned Well Program. Civitas Resources/Extraction Oil & Gas Inc. have plugged and abandoned (PA) the Shannon-Roberts 1-A (OWP). This supplemental Form 19 presents information about the Shannon-Roberts Tank Battery decommissioning. A historic spill/release was discovered beneath the ASTs at the tank battery was discovered during initial decommissioning activities in May 2023. On-location flowlines were removed; however, off-location flowlines were abandoned in place due to uncertainty of the location of a Western Midstream pipeline. Soil samples were collected beneath the separator, AST, and produced water tank on 07/06/2023. Approximately 10 cubic yards of impacted soils were excavated and disposed off-location at a commercial disposal facility. A total of 550 cubic yards of impacted soils are estimated to remain and will require additional site investigation and remediation. The OWP requests closure of Spill/Release # 484441. Site investigation and remediation will proceed under Remediation Project #27481.

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

Signed: Print Name: James Hix

Title: East OWP EPS Date: 02/27/2024 Email: james.hix@state.co.us

<u>COA Type</u>	<u>Description</u>
	Quarterly reporting is required under Remediation Project #27481
1 COA	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403451841	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403491710	SITE MAP
403491776	PHOTO DOCUMENTATION
403738824	FORM 19 SUBMITTED

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)