

## State of Colorado

## Energy &amp; Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

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



Document Number:

404062665

Date Received:

02/02/2025

Spill report taken by:

Sanchez, Chris

Spill/Release Point ID:

488346

**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: CITATION OIL & GAS CORP	Operator No: 17180	<b>Phone Numbers</b>
Address: 14077 CUTTEN RD		Phone: (281) 891-1550
City: HOUSTON State: TX Zip: 77069		Mobile: (713) 702-7534
Contact Person: Bob Redweik		Email: bredweik@cogc.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# 403973184

Initial Report Date: 10/29/2024 Date of Discovery: 08/19/2024 Spill Type: Historical Release

**Spill/Release Point Location:**

QTRQTR SENW SEC 35 TWP 13S RNG 49W MERIDIAN 6

Latitude: 38.874390 Longitude: -102.859212

Municipality (if within municipal boundaries): County: CHEYENNE

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: WELL

☐ Facility/Location ID No

Spill/Release Point Name: RHOADES 22-35 #2

☒ Well API No. (Only if the reference facility is well) 05-017-06479☐ 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&amp;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: CROP LAND

Other(Specify):

Weather Condition: Fair 43 F, Wind W 8 MPH

Surface Owner: FEE

Other(Specify):

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

The release was identified during an ECMC Inspection Report #713601349. The stained soils outside containment around the gas jack compressor engine were determined to have resulted from less than 1 barrel of crude oil released. Excavation of impacted soils was initiated and completed.

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

Data not required

## 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? \_\_\_\_\_

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.): \_\_\_\_\_ 20

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 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

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: 01/29/2025

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL			<input checked="" type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER			<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?

YES

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): 10

Width of Impact (feet): 10

Depth of Impact (feet BGS): 2

Depth of Impact (inches BGS): 0

How was extent determined?

Initial vertical and horizontal extent of impacts were determined via observations of surface soil staining and field soil screening using a photoionization device (PID) during excavation. Further evaluation of impacts was determined by field soil screening using a photoionization device (PID), soil hand auger and collection of soil samples.

Soil/Geology Description:

There is road base material on the pad surface down to ~ 2 feet BGS. Below that, according to the USDA Natural Resources Conservation Soil Survey, the spill area is made up one soil type: Otero-Olney sandy loams. The native composition of this soil type is:  
  
 Symbol 34 (100% of area)  
 A - 0 to 5 inches: sandy loam  
 C - 5 to 60 inches: sandy loam

Depth to Groundwater (feet BGS) 20

Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest
 

Water Well

4656

None

☐

Wetlands

3750

None

☐

Livestock

50

None

☐

Surface Water

3750

None

☐

Springs

None

☒

Occupied Building

4681

None

☐

Additional Spill Details Not Provided Above:

According to the closest DWR water well record in proximity to the location with data available (Permit 24834 ~ 1.0 miles to the west) the static water elevation is 20 feet BGS. There appears to be an occupied building ~0.89 miles south of the site. The location is within the CPW HPH lesser prairie chicken connectivity area and estimated occupied range. The location is also ~0.49 miles from Lesser Prairie Chicken Focal Area.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/29/2025

Root Cause of Spill/Release Equipment Failure

Other (specify)

Type of Equipment at Point of Spill/Release: Other

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

Pumpjack engine

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

This incident is the result of aging production equipment with prolonged exposure to extreme weather conditions and lack of maintenance, leading to insufficient integrity and failure. At this location equipment was not being maintenance and caused a slow leak at the wellhead. Production operations had inadequate best management practices and necessary resources established to complete routine inspections and internal reporting/response to spills.

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

New procedures have been developed and implemented to complete routine inspections and reporting for locations field wide. Citation will be instituting a good-housekeeping action item priority list and maintenance schedule to address issues before they occur and begin replacing aging equipment as possible. Failed equipment is being replacement with more resistant alternatives in consideration of best engineering practices for longevity and site conditions.

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):

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:

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

## OPERATOR COMMENTS:

The horizontal extent of the impacted area was delineated using a photoionization detector (PID) and soil hand auger during excavation. Excavation, delineation, and soil screening started on 10/9/2024 and is ongoing to fully delineate the vertical extent of impacts. Soil samples were collected to characterize and/or demonstrate confirmation of impact removal near the wellhead, out of service compressor, and below the pumpjack engine (inside a shed). All soil samples were submitted to Origins Laboratories in Denver and analyzed for all ECMC Table 915-1 parameters to determine regulatory compliance. One (1) background sample was collected in the adjacent undisturbed landscape to the west of the pad at a soil depth of 2 feet BGS. The background sample failed to meet pH regulatory levels for the ECMC Table 915-1 constituent. One (1) soil sample collected near the wellhead and below the out of service compressor were in compliance with regulatory levels for all ECMC Table 915-1 constituents. Samples collected below the engine skid indicated elevated TPH and Boron concentrations above ECMC Table 915-1 regulatory levels and the location will require further excavation. The samples collected below the compressor and background were above Table 915-1 concentration levels for Arsenic, but exceedances are from naturally occurring conditions within the surrounding native soil.

This Form 19 Supplemental is being submitting concurrently with a Form 27 Initial Report (Doc# 404073593) and Citation is requesting transfer of this spill to that remediation project. Citation will submit another Form 19 Supplemental Report requesting closure upon Form 27 Initial Approval.

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

Signed: \_\_\_\_\_ Print Name: Joel Mason

Title: Agent Date: 02/02/2025 Email: joel.mason@absarokasolutions.com

**COA Type**

**Description**

0 COA	

**ATTACHMENT LIST**

**Att Doc Num**

**Name**

404078065	SOIL SAMPLE LOCATION MAP
404078066	OTHER
404078067	ANALYTICAL RESULTS
404078068	ANALYTICAL RESULTS
404078069	PHOTO DOCUMENTATION

Total Attach: 5 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)