

State of Colorado Oil and Gas Conservation Commission

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



Document Number:

403475906

Date Received:

07/25/2023

Spill report taken by:

Spill/Release Point ID:

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: <u>EXTRACTION OIL & GAS INC</u> | Operator No: <u>10459</u> | Phone Numbers |
| Address: <u>370 17TH STREET SUITE 5200</u> | | Phone: <u>(720) 3158934</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | | Mobile: <u>()</u> |
| Contact Person: <u>Luke Kelly</u> | | Email: <u>lkelly@civiresources.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# 403460089

Initial Report Date: 07/11/2023 Date of Discovery: 07/11/2023 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR SWSE SEC 25 TWP 1S RNG 66W MERIDIAN 6Latitude: 39.929595 Longitude: -104.722099Municipality (if within municipal boundaries): _____ County: ADAMS

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

Reference Location:

Facility Type: TANK BATTERY☒ Facility/Location ID No 449925Spill/Release Point Name: Alma 1S-66-2524☐ 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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=5 and <100Estimated Other E&P Waste Spill Volume(bbl): 0Estimated 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: ClearSurface Owner: FEE

Other(Specify): _____

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

A third party water hauler left a valve partially open resulting in 10 bbls of fluid to be released inside lined containment and 7 bbls to be released outside containment. The impacts were contained entirely on pad. The impacted soil will be removed and hauled to a licensed waste disposal facility. Confirmation soil samples will be collected in compliance with COGCC Table 915-1.

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

OTHER NOTIFICATIONS

| Date | Agency/Party | Contact | Phone | Response |
|-----------|------------------|-----------|----------|---------------------|
| 7/11/2023 | Adams County LGD | Greg Dean | -on file | Notified of Release |
| 7/11/2023 | Surface Owner | on file | -on file | Notified of Release |

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: _____
- Yes 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? _____
- 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: 07/11/2023 | | |
|----|--------------------------------------|--|--|

| FLUIDS | BBL's SPILLED | BBL's RECOVERED | Unknown |
|-----------------|---------------|-----------------|--------------------------|
| OIL | 0 | 0 | <input type="checkbox"/> |
| CONDENSATE | 0 | 0 | <input type="checkbox"/> |
| PRODUCED WATER | 17 | 10 | <input 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): _____ Width of Impact (feet): _____

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

How was extent determined?

The extent of the release was determined through visual delineation and will be confirmed with confirmation soil sampling.

Soil/Geology Description:

 Ascalon-Vona Sandy Loams, 1 to 5 percent slopes. SM - silty sand

| | | | |
|---------------------------------|----|--------------------------------------------|---|
| Depth to Groundwater (feet BGS) | 50 | Number Water Wells within 1/2 mile radius: | 5 |
|---------------------------------|----|--------------------------------------------|---|

| | | | | | | | | |
|--------------------------------------------------|------------|------|------|--------------------------|-------------------|------|------|-------------------------------------|
| If less than 1 mile, distance in feet to nearest | Water Well | 2003 | None | <input type="checkbox"/> | Surface Water | 851 | None | <input type="checkbox"/> |
| | Wetlands | 1186 | None | <input type="checkbox"/> | Springs | | None | <input checked="" type="checkbox"/> |
| | Livestock | 1396 | None | <input type="checkbox"/> | Occupied Building | 1582 | None | <input type="checkbox"/> |

Additional Spill Details Not Provided Above:

Due to depth to groundwater associated with CO DWR permit# 33951, and the surficial nature of the spill, Extraction requests to use RSSL concentrations to show compliance with COGCC Table 915-1.

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:

During the initial spill assessment, Extraction collected both a waste characterization sample (WC SS01) of the impacted material and a background sample (Alma West WC-BK01) off pad in native soil conditions. Analytical results of the WC SS01 sample indicated exceedances above RSSL concentrations in Arsenic (1.78 mg/kg). In addition, analytical results indicated exceedances in SAR (117) and EC (7.67 mmhos/cm). Based on the waste characterization results, Extraction requests to amend the sampling and analysis plan to only include Arsenic, SAR, and EC.

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

Signed: _____ Print Name: Costin McQueen
Title: Senior Env Specialist Date: 07/25/2023 Email: cmcqueen@civiresources.com

COA Type

Description

| | |
|-------|--|
| | |
| 0 COA | |

Attachment List

Att Doc Num

Name

| | |
|-----------|--------------------|
| 403475914 | ANALYTICAL RESULTS |
| 403475915 | ANALYTICAL RESULTS |
| 403475917 | ANALYTICAL RESULTS |
| 403475920 | OTHER |

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

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

Total: 0 comment(s)