

**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:

400952525

Date Received:

12/11/2015

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

444157

## SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

### OPERATOR INFORMATION

|   |                           |                                       |
|---|---------------------------|---------------------------------------|
| Name of Operator: <u>CARRIZO NIOBRARA LLC</u> | Operator No: <u>10439</u> | <b>Phone Numbers</b>                  |
| Address: <u>500 DALLAS STREET #2300</u>       |                           | Phone: <u>(713) 358-6227</u>          |
| City: <u>HOUSTON</u>                          | State: <u>TX</u>          | Mobile: <u>(281) 770-2735</u>         |
| Zip: <u>77002</u>                             |                           | Email: <u>eric.johansson@crzo.net</u> |
| Contact Person: <u>eric johansson</u>         |                           |                                       |

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400943955

Initial Report Date: 11/29/2015      Date of Discovery: 11/27/2015      Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR nwnw SEC 36 TWP 9n RNG 59w MERIDIAN 6

Latitude: 40.712712 Longitude: -103.930850

Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

#### Reference Location:

Facility Type: TANK BATTERY☐ Facility/Location ID No \_\_\_\_\_☐ No Existing Facility or Location ID No.☒ Well API No. (Only if the reference facility is well) 05-123-37073

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

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

*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): >=5 and <100Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): 0Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: \_\_\_\_\_

#### Land Use:

Current Land Use: OTHEROther(Specify): well padWeather Condition: overcast, snow on the ground ~20FSurface Owner: FEE

Other(Specify): \_\_\_\_\_

#### 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):

ARRIVING ON LOCATION JUST BEFORE DARL ON 11/27/15 CARRIZO PERSONNEL ARRIVED ON LOCATION TO FIND AN UPSET THROUGH FLARE STACK RESULTING IN APPROXIMATELY 20 BBLs OF OIL SPILLED ON THE GROUND. ALL LIQUIDS WERE CONAINED ON PAD, NOTHING GOT OFF LOCATION. WELLS WERE SHUT IN IMMEDIATELY AND SECURED FOR THE NIGHT. CREWS WERE MOBILIZED ON 11/28/15 TO BEGIN CLEAN UP. CREWS ARE STILL ON LOCATION CLEANING AND EXCAVATING IMPACTED SOILS AS OF 11/29/15. IMPACTED SOIL WILL BE HAULED OFF AND DISPOSED OF AT PROPER FACILITY.

List Agencies and Other Parties Notified:

### OTHER NOTIFICATIONS

| Date       | Agency/Party | Contact        | Phone        | Response                              |
|------------|--------------|----------------|--------------|---------------------------------------|
| 11/28/2015 | COGCC        | 24 HOUR NUMBER | 877-518-5608 | LEFT VOICE MESSAGE DETAILING INCIDENT |

### SPILL/RELEASE DETAIL REPORTS

|                 |                                      |                 |                          |
|-----------------|--------------------------------------|-----------------|--------------------------|
| #1              | Supplemental Report Date: 12/11/2015 |                 |                          |
| <b>FLUIDS</b>   | BBL's SPILLED                        | BBL's RECOVERED | Unknown                  |
| OIL             | 20                                   | 0               | <input type="checkbox"/> |
| CONDENSATE      | 0                                    | 0               | <input type="checkbox"/> |
| PRODUCED WATER  | 0                                    | 0               | <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? 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): 250 Width of Impact (feet): 100

Depth of Impact (feet BGS): 0 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Excavation of the impacted area was done to get to clean soil. Some areas were less than 10 inches but the deepest impacted area was excavated to approximately 10 inches.

Soil/Geology Description:

Pasture land surrounding the pad site used for roaming livestock grazing. Initial excavation was conducted and soil samples taken in 10 different spots in the spill area. Map attached show the spill area and sample points identified. Lab results are also attached to show the results. Three seperate rounds of excavation and soil sampling were conducted until the area was proven to be below Table 910-1 guidelines. Please feel free to call if needed to discuss. Manifests of the hauled soils are also attached.

Depth to Groundwater (feet BGS) 15 Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest

|            |                 |  |                   |                 |  |
|------------|-----------------|--|-------------------|-----------------|--|
| Water Well | <u>1700</u>     | None <input type="checkbox"/>            | Surface Water     | <u>        </u> | None <input checked="" type="checkbox"/> |
| Wetlands   | <u>        </u> | None <input checked="" type="checkbox"/> | Springs           | <u>        </u> | None <input checked="" type="checkbox"/> |
| Livestock  | <u>500</u>      | None <input type="checkbox"/>            | Occupied Building | <u>        </u> | None <input checked="" type="checkbox"/> |

Additional Spill Details Not Provided Above:

All soils excavated on the well pad site were hauled off to Waste Management Ault, CO landfill.

## CORRECTIVE ACTIONS

|  |   |   |
|--|---|---|
| #1   | Supplemental Report Date:                             | 12/11/2015                                  |
| Cause of Spill (Check all that apply)  |   |   |
| <input type="checkbox"/> Human Error   | <input checked="" type="checkbox"/> Equipment Failure | <input type="checkbox"/> Historical-Unknown |
| <input type="checkbox"/> Other (specify) _____   |   |   |
| Describe Incident & Root Cause (include specific equipment and point of failure)   |   |   |
| <div>Installing High Pressure sensor devices to prevent over pressuring of vessels.</div>  |   |   |
| Describe measures taken to prevent the problem(s) from reoccurring:  |   |   |
| <div>Carrizo will be installing in the near future High Pressure sensors to prevent over pressuring of vessels. Also will be installing float devices inside vessels to prevent over pressuring and prevent high volumes of liquid from amassing inside the equipment.</div> |   |   |
| Volume of Soil Excavated (cubic yards): 200  |   |   |
| 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): 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:

|  |
|--|
|  |
|--|

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

Signed: \_\_\_\_\_ Print Name: eric johansson

Title: EHS Supervisor Date: 12/11/2015 Email: eric.johansson@crzo.net

## COA Type

## Description

|  |  |
|--|--|
|  |  |
|--|--|

## Attachment Check List

| Att Doc Num | Name               |
|-------------|--------------------|
| 400952525   | FORM 19 SUBMITTED  |
| 400952577   | DISPOSAL MANIFEST  |
| 400952584   | ANALYTICAL RESULTS |
| 400952586   | ANALYTICAL RESULTS |
| 400952587   | ANALYTICAL RESULTS |
| 400952589   | SITE MAP           |

Total Attach: 6 Files

## General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
|                   |                |                     |

Total: 0 comment(s)