

**State of Colorado**  
**Oil and Gas Conservation Commission**

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Document Number:

400918117

Date Received:

10/14/2015

Spill report taken by:

NEIDEL, KRIS

Spill/Release Point ID:

443665

## 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>BONANZA CREEK ENERGY OPERATING COMPANY LLC</u>	Operator No: <u>8960</u>	<b>Phone Numbers</b>
Address: <u>410 17TH STREET SUITE #1400</u>		Phone: <u>(720) 225-6653</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80202</u>
Contact Person: <u>Brian Dodek</u>		Email: <u>bdodek@bonanzacrk.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400914169

Initial Report Date: 10/08/2015      Date of Discovery: 10/07/2015      Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESW SEC 2 TWP 9N RNG 79W MERIDIAN 6Latitude: 40.779882 Longitude: -106.233506Municipality (if within municipal boundaries): \_\_\_\_\_ County: JACKSON

#### 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- -

#### 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): 0Estimated 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): >=100Estimated Drilling Fluid Spill Volume(bbl): 0Specify: The release was mostly fresh well-water that overflowed a tank with produced water inside.

#### Land Use:

Current Land Use: NON-CROP LAND

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

Weather Condition: 41 degrees, clearSurface Owner: FEDERAL

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):

A lightning strike caused an electrical failure at the Pierre B tank battery. The failure shutdown the water injection pumps in the injection building. As the injection pumps were not active, the water tank was overfilled with fresh well water and spilled into secondary containment. The release is estimated at 700 bbl inside containment. The release is mainly freshwater. However, the tank does have residual produced water from operational maintenance of the facility. Emergency personnel responded to the release and shut-in the water well to stop the source. Vacuum trucks drained the water pooled in containment and hauled the water to the BCEOC land treatment facility. Electrical repairs have been made and the battery was returned to production. Environmental personnel will oversee the assessment and clean-up. Once the containment is fully drained, soil samples will be collected to ensure the soil is compliant with COGCC Table 910-1 standards.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
10/8/2015	COGCC	Kris Neidel	-on file	Notified of release via eForm 19
10/8/2015	Jackson County	Kent Crowder	-on file	Notified of release
10/8/2015	BLM	Field office	-on file	Notified of release

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 10/14/2015			
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown	
OIL	0	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	700	315	<input type="checkbox"/>	

specify: The release consisted of fresh well water with an initial skim of oil.

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): 745 Width of Impact (feet): 1

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

How was extent determined?

The extent was determined through visual delineation after the release. As the release occurred after a heavy rainstorm, it is believed the saturated nature of the surface soil prevented vertical migration of fluids from the release. Environmental personnel will conduct soil sampling to further define the extent of impact.

Soil/Geology Description:

Fluetsch-Tiagos Association

Depth to Groundwater (feet BGS) 15 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

Water Well	_____	None <input checked="" type="checkbox"/>	Surface Water	_____	None <input checked="" type="checkbox"/>
Wetlands	_____	None <input checked="" type="checkbox"/>	Springs	_____	None <input checked="" type="checkbox"/>
Livestock	_____	None <input checked="" type="checkbox"/>	Occupied Building	<u>1100</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Current spill information: The head tank that was overfilled did not release fluid at the tank battery location. The fluid went into an overflow drain pipe inside the tank. The drain pipe runs from the tank battery to a overflow tank approximately 800 feet north of the tank battery. The drain pipe and oheverflow tank are depicted in the attached Figure 2. As the lightning strike affected the power supply and the tank high level alarm did not function, fresh well water continued to fill the tank and as a result overfilled the overflow tank. The water (with a initial skim of oil from the tank) ran into the earthen containment. The fresh water continued to flow into the earthen containment until a wall was overtopped and the water ran into a shallow, inactive, diversion ditch that was cut by a previous operator. The ditch appears to have diverted water for operational purposes from a 2,500 bbl tank into open range land on a ridgeline. BCEOC does not use the decommissioned tank or diversion ditch. An earthen berm was constructed across the diversion ditch to create tertiary containment for the head tank at the Pierre B tank battery. Figure 3 depicts the release area, diversion ditch, and earthen containment. It is estimated that 12 bbl of fluid escaped the earthen containment based on the dimensions of the saturated soil in the diversion ditch. Based on visual observations of oil patches along the release path it is estiamted than less than 1 bbl of oil was present in the fluid release. BCEOC personnel continue to conduct cleanup of the release area including the removal of any stained soil along the diversion ditch. BCEOC continues to remove water from the earthen containment and the overflow tank. As reported previously, environmental personnel will conduct soil sampling once initial cleanup activities are complete.

## 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: Brian Dodek

Title: Sr Env Specialist Date: 10/14/2015 Email: bdodek@bonanzacrk.com

## COA Type

## Description

## Attachment Check List

Att Doc Num	Name
400918117	FORM 19 SUBMITTED
400918124	TOPOGRAPHIC MAP
400918125	SITE MAP
400918126	SITE MAP

Total Attach: 4 Files

## General Comments

User Group	Comment	Comment Date
Environmental	Soil samples should be taken from the affected area to demonstrate no remaining impact. 3 discrete samples shall be from the alluvial fan area at the end of the ditch (approximately 40.783916,-106.232881).at least 1decreate sample along the ditch (between opentop tank bermed area and the alluvial fan area.) Samples should be analyzed for TPH and BTEX.	11/4/2015 9:55:42 AM

Total: 1 comment(s)