

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400936318

Date Received:

11/13/2015

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

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 6

Latitude: 40.779882 Longitude: -106.233506

Municipality (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): 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&P Waste Spill Volume(bbl): >=100 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: 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, clear Surface 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: 11/13/2015

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>0</u>	<u>0</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>700</u>	<u>315</u>	<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?

See previous Form 19

Soil/Geology Description:

See previous Form 19

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	<u>          </u>	None <input checked="" 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>          </u>	None <input checked="" type="checkbox"/>	Occupied Building	<u>1100</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Spill response personnel cleaned up the minimal oil stained soil along the spill path. Environmental personnel collected soil samples (SS01 through SS11) throughout the entire release area. Background samples were collected and held by the laboratory in case we needed to analyze them. However, all eleven soil samples confirmed that the soil within the spill path was compliant with COGCC Table 910-1. As the stained soil has been removed and confirmation samples indicate that all soil is compliant with COGCC Table 910-1 standards, Bonanza Creek respectfully requests a No Further Action determination.

### CORRECTIVE ACTIONS

#1	Supplemental Report Date:	11/13/2015	
Cause of Spill (Check all that apply)			
<input type="checkbox"/> Human Error		<input checked="" type="checkbox"/> Equipment Failure	
<input type="checkbox"/> Other (specify) _____		<input type="checkbox"/> Historical-Unknown	
Describe Incident & Root Cause (include specific equipment and point of failure)			
The root cause of the incident was a combination of two factors. There was a lightning strike which shut down the injection pumps at the facility. When injection ceased the water tank began to fill up. When the water tank reached the top a high alarm on the tank did not function. The release was found during morning inspections.			
Describe measures taken to prevent the problem(s) from reoccurring:			
Bonanza Creek has replaced the high alarm to ensure a callout will occur when the tank is nearly full. Bonanza Creek also installed a buried water vault within the facility that the water tank can drain into if it is overfilled. The previous drain line that ran 800 feet north to an overflow tank has been capped and is no longer active. This will prevent the future conveyance of a release away from the facility.			
Volume of Soil Excavated (cubic yards):		5	
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:

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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: 11/13/2015 Email: bdodek@bonanzacrk.com

### Attachment Check List

Att Doc Num	Name
400936355	ANALYTICAL RESULTS

Total Attach: 1 Files

### General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)