

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:

401890453

Date Received:

01/03/2019

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 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

Spill report taken by:

Graber, Candice
(Nikki)

Spill/Release Point ID:

459196

OPERATOR INFORMATION

Name of Operator: <u>BONANZA CREEK ENERGY OPERATING COMPANY LLC</u>	Operator No: <u>8960</u>	Phone Numbers
Address: <u>410 17TH STREET SUITE #1400</u>		Phone: <u>(720) 4406100</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80202</u>
Contact Person: <u>Brian Dodek</u>		Mobile: <u>()</u>
		Email: <u>BDodek@Bonanzacrk.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401847898

Initial Report Date: 11/21/2018 Date of Discovery: 11/20/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 1 TWP 5N RNG 62W MERIDIAN 6
 Latitude: 40.422841 Longitude: -104.276680
 Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: OFF-LOCATION FLOWLINE Facility/Location ID No 440840
 Spill/Release Point Name: State Antelope J-1 Valve Can No Existing Facility or Location ID No.
 Number: _____ 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? 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 <100 Estimated Condensate Spill Volume(bbl): 0
 Estimated Flow Back Fluid Spill Volume(bbl): Unknown Estimated Produced Water Spill Volume(bbl): >=5 and <100
 Estimated Other E&P Waste Spill Volume(bbl): 0 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): _____
 Weather Condition: Clear, 40's
 Surface Owner: STATE 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 produced water line running from the State Antelope J-1 to the State Antelope O-1 CPF failed at an elbow inside a valve can. The failure resulted in approximately 20 bbls of produced water/oil being released to the ground. The release location is off of the J-1 well pad but on the BCEI flowline ROW. The majority of the release was contained to the valve can. The line was shut in and a vacuum truck was dispatched immediately to drain the product from the can. Hydrovacs are on site today removing the impacted soil around the valve can. Once complete, confirmation soil samples will be collected and submitted for laboratory analysis. Analytical results will be included in a supplemental F19.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
11/21/2018	Weld County	Roy Rudisill	-On file	Notified of release
11/21/2018	Land Owner	SLB	-On file	Notified of release

Was there a Grade 1 Gas Leak associated with this E & P waste spill or release? Yes No

If YES, enter the Document Number of the Initial Grade 1 Gas Leak Report Form 44: _____

Was there a reportable accident associated with this E & P waste spill or release? Yes No

If YES, enter the Document Number of the Initial Accident Report, Form 22: _____

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 01/02/2019

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	20	10	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	10	5	<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): 10 Width of Impact (feet): 20

Depth of Impact (feet BGS): 15 Depth of Impact (inches BGS): _____

How was extent determined?

Visual delineation and laboratory analysis

Soil/Geology Description:

Valent sands, 3-9% slopes

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 4192 None Surface Water 3916 None

Wetlands _____ None Springs _____ None

Livestock _____ None

Occupied Building _____ None

Additional Spill Details Not Provided Above:

The HDPE line has been repaired and the impacted soil around the line was removed. Six confirmation soil samples were collected and submitted for laboratory analysis. Four samples were collected from the sidewalls and two from the floor of the excavation. All of the samples are compliant for TPH and BTEX. However, the two samples collected from the floor of the excavation had SAR exceedances. Due to the depth of the excavation base, the exceedances are well below the root zone and will not affect revegetation. BCEI requests an NFA determination.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/02/2019

Cause of Spill (Check all that apply) Human Error Equipment Failure Historical-Unknown
 Other (specify) _____

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

An HDPE section of the produced water line failed at the crimp between two joints.

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

The HDPE section of the line was removed and replaced with steel schedule 80 pipe.

Volume of Soil Excavated (cubic yards): 74

Disposition of Excavated Soil (attach documentation) Offsite Disposal Onsite Treatment
 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:

Depth to groundwater is estimated due to lack of static water levels in the vicinity of the release.

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: Env. Manager Date: 01/03/2019 Email: BDodek@Bonanzacrk.com

COA Type**Description**

	<p>Soil sample analytical results indicate that the Sodium Adsorption Ratio (SAR) of soil in the bottom of the excavation (9' to 16' BGS) is above the Table 910-1 Allowable Level of 12. The electrical conductivity (EC) of soil appears to comply with the Table 910-1 levels. Since soil with SAR greater than the Table 910-1 allowable level is below the root zone (3' BGS), COGCC will approve the closure request at this time.</p> <p>The location must comply with Rule 1003 and 1004 for interim and final reclamation. Electrical conductivity must be addressed to ensure successful final reclamation of the location. In addition, should future conditions at the site indicate contaminant concentrations in soil exceeding COGCC standards or if ground water is found to be significantly impacted, then further investigation and/or remediation activities may be required at the site.</p>
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Attachment Check List**Att Doc Num****Name**

401890453	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401890963	ANALYTICAL RESULTS
401893279	FORM 19 SUBMITTED

Total Attach: 3 Files

General Comments**User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)