

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:

401166350

Date Received:

12/13/2016

Spill report taken by:

NEIDEL, KRIS

Spill/Release Point ID:

448601

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.

OPERATOR INFORMATION

Name of Operator: SANDRIDGE EXPLORATION & PRODUCTION LLC	Operator No: 10598	<b>Phone Numbers</b>
Address: 123 ROBERT S KERR AVE		Phone: (580) 430-4605
City: OKLAHOMA CITY	State: OK Zip: 73102	Mobile: (405) 590-7483
Contact Person: Clay Harwell		Email: charwell@sandridgeenergy.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401161777

Initial Report Date: 12/06/2016 Date of Discovery: 12/06/2016 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENE SEC 32 TWP 7N RNG 80W MERIDIAN 6

Latitude: 40.540160 Longitude: -106.391286

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) 05-057-06467

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): 0 Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0 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: -20 F PARTLY CLOUDY

Surface 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):

A pressure relief line froze and cracked due to extreme cold, causing production water to spill into lined containment. Replace the broken line, Install heat trace and insulate piping.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
12/6/2016	CGOCC	Kris Nediell	970-871-1963	Was notified of the spill vis email.
12/6/2016	Landowner	Jack and Vaneta Haworth	970-723-4614	Was notified by Mr. Doud SandRidge
12/6/2016	Jackson County Admin	Mr. Kent Crowder	970-723-4660	Was notified by Mr. Doud SandRidge

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 12/13/2016

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	25	25	<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): \_\_\_\_\_ Width of Impact (feet): \_\_\_\_\_

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

How was extent determined?

Due to the fact that the spill was confined within a lined secondary containment system, the extent of the spill was limited to the containment system.

Soil/Geology Description:

Due to the fact that the spill was confine within a lined secondary containment system, underlying soil was not impacted.

Depth to Groundwater (feet BGS) 17 Number Water Wells within 1/2 mile radius: 2

If less than 1 mile, distance in feet to nearest

Water Well	<u>500</u>	None <input type="checkbox"/>	Surface Water	<u>513</u>	None <input type="checkbox"/>
Wetlands	_____	None <input checked="" type="checkbox"/>	Springs	_____	None <input checked="" type="checkbox"/>
Livestock	<u>1000</u>	None <input type="checkbox"/>	Occupied Building	<u>500</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

All of the fluids that were released into the lined secondary containment system were removed and disposed of via the Vaneta injection well. During the initial spill all but 2 bbls of produced water was removed. After the repairs were made, the rest of the produced water that was comingled with snow was removed and disposed of down the injection well. A total of 25 barrels of produced were spilled and a total of 25 barrels were recovered and injected down the Vaneta SWD. The spill happend in the area of Lat: 40.54047 Long:-106.39140

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 12/13/2016

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)

A pressure relief line froze and cracked due to extreme cold, causing production water to spill into lined containment.

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

Replace the broken line, Install heat trace and insulate piping.

Volume of Soil Excavated (cubic yards): 0

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:

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

Signed: \_\_\_\_\_ Print Name: Clay Harwell  
Title: Remediation Supervisor Date: 12/13/2016 Email: charwell@sandridgeenergy.com

<u>COA Type</u>	<u>Description</u>
	Based on the information presented, it appears that no further action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be impacted, then further investigation and/or remediation activities may be required.
	This Supplemental Report address COA's from initial report.

### Attachment Check List

**Att Doc Num****Name**

401166350	FORM 19 SUBMITTED
401166361	TOPOGRAPHIC MAP
401166362	SITE MAP

Total Attach: 3 Files

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

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)