

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401602738

Date Received:

04/12/2018

Spill report taken by:

NEIDEL, KRIS

Spill/Release Point ID:

454675

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	Phone Numbers
Address: 123 ROBERT S KERR AVE		Phone: (405) 4295745
City: OKLAHOMA CITY	State: OK Zip: 73102	Mobile: (405) 6516853
Contact Person: Matt Church		Email: mchurch@sandridgeenergy.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401593622

Initial Report Date: 04/02/2018 Date of Discovery: 04/02/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWNW SEC 17 TWP 7N RNG 80W MERIDIAN 6

Latitude: 40.583607 Longitude: -106.405989

Municipality (if within municipal boundaries): County: JACKSON

Reference Location:

Facility Type: WELL PAD Facility/Location ID No 324757
 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? 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): >=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, 42 degrees F, wind 5-10mph
Surface Owner: FEE Other(Specify): Kohlman's OK LP c/o Greg Ray

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):

Temporary frac tanks were placed within earthen containment on site which were used to temporarily store produced water. A water hauler for Bar-S had finished loading produced water into a tank and left a hose connected to the load valve without completely closing the valve before exiting the pad. The hose filled and the weight of the liquid forced the hose to drop to the ground over the containment berm. Produced water then leaked on to the location, out of containment. Initially it was believed approximately 60 bbls of produced water was spilled but adjusted to approximately 100 bbls of produced water spilled. The spill was discovered early morning of April 2, 2018 at approximately 0700. The valve was closed upon discovery and the hose was removed. Bar-S has cleaned the free liquids using a hydro vac truck. Contaminated soil material is scheduled to be removed via digging beginning on the afternoon of April 2, 2018 and hauled to a disposal facility.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
4/2/2018	Landowner	Greg Ray	970-7238383	Contacted via phone - Informed Mr. Ray of spill and cleanup response and corrective actions. Mr. Ray approved of cleanup measures.
4/2/2018	Jackson County Administrator	Kent Crowder	970-7234660	Contacted via phone - Informed of spill and cleanup measures, No additional comments.
4/2/2018	COGCC	Kris Neidel	970-8711963	Contacted via phone - 24 hour spill notification. Initially it was believed approximately 60 bbls of produced water was spilled; however, as cleanup began, that number was adjusted to approximately 100 bbls.

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 04/09/2018

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	100	62	<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): _____ Width of Impact (feet): _____

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

How was extent determined?

After produced water was removed using the vac truck, pictures were taken of the area observing saturated soil and recording the extent of area. Surrounding equipment was relocated so the extent could clearly be assessed. All saturated soil was excavated into a stock pile near the edge but still within the spill area. Several screening soil samples were collect within the spill area (post-excavation) and placed into sealable plastic bags. After allowing the sample to defrost, the plastic bag headspace was tested for volatile organic compounds concentrations with a PID gas meter. If the resulting concentration was over 100 ppm the sample location and surrounding area was further excavated and retested. After all the impacted soil was excavated and transported to the waste facility; and when all samples in the excavated area passed screening, confirmation samples were collected as directed by the COGCC representative and in accordance with rule 910.b(3)B. Sampling and analysis included the collection of 1 soil sample in the suspected area of being the most impacted and analyzed for full Table 910-1 constituents. A background sample was collected immediately adjacent to the spill area to evaluate existing conditions, also analyzed for full Table 910-1 constituents. In addition, 5 samples within the spill area periphery and interior were collected and analyzed for TPH (GRO, DRO) and BTEX.

Soil/Geology Description:

Cabin sandy loam

Depth to Groundwater (feet BGS) 50

Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

Water Well	<u>4560</u>	None <input type="checkbox"/>	Surface Water	<u>2137</u>	None <input type="checkbox"/>
Wetlands	<u>500</u>	None <input type="checkbox"/>	Springs	<u>5280</u>	None <input type="checkbox"/>
Livestock	<u>1500</u>	None <input type="checkbox"/>	Occupied Building	<u>2650</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

The frac tanks that are being used on the site are temporary tanks that SandRidge is using to store produced water from the Ray Ranch 0780 site (Location ID 446527) that has seasonal sage grouse stipulations. By storing produced water temporarily it allows SD to move the produced water from the temporary tanks to disposal wells when the site cannot be accessed due to stipulations. The tanks are only used on site during stipulation season, which runs from March 1 to May 15.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 04/09/2018

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)

Temporary frac tanks were placed within earthen containment on site which were used to temporarily store produced water. A water hauler for Bar-S had finished loading produced water into a tank and left a hose connected to the load valve without completely closing the valve before exiting the pad. The hose filled and the weight of the liquid forced the hose to drop to the ground over the containment berm. Produced water then leaked on to the location, out of containment.

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

Temporary tanks will have earthen containment installed around the perimeter sized sufficient with the amount of storage. Bar S will install poly liner under the tanks within the containment. Bar S haulers will inspect all valves and hoses and confirm those are shut with no liquids trapped prior to leaving the site when hauling to/from the tanks.

Volume of Soil Excavated (cubic yards): 152

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:

SandRidge is requesting closure for initial spill. Please see all attached documentation, spill/release detail report, and corrective actions report.

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

Signed: _____ Print Name: Matt Church

Title: EH&S Specialist Date: 04/12/2018 Email: mchurch@sandridgeenergy.com

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401602747	TOPOGRAPHIC MAP
401602749	SITE MAP
401602754	DISPOSAL MANIFEST
401602763	ANALYTICAL RESULTS
401606796	OTHER

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)