

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

402024233

Date Received:

05/02/2019

**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:

NEIDEL, KRIS

Spill/Release Point ID:

464100

**OPERATOR INFORMATION**

Name of Operator: <u>SANDRIDGE EXPLORATION &amp; PRODUCTION LLC</u>	Operator No: <u>10598</u>	<b>Phone Numbers</b>
Address: <u>123 ROBERT S KERR AVE</u>		Phone: <u>(405) 429-5745</u>
City: <u>OKLAHOMA CITY</u> State: <u>OK</u> Zip: <u>73102</u>		Mobile: <u>(405) 651-6853</u>
Contact Person: <u>Matt Church</u>		Email: <u>mchurch@sandridgeenergy.com</u>

**INITIAL SPILL/RELEASE REPORT**

Initial Spill/Release Report Doc# 402016498

Initial Report Date: 04/22/2019 Date of Discovery: 04/21/2019 Spill Type: Recent Spill

**Spill/Release Point Location:**

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

Latitude: 40.584442 Longitude: -106.405756

Municipality (if within municipal boundaries): \_\_\_\_\_ County: JACKSON

**Reference Location:**

Facility Type: OIL AND GAS LOCATION  Facility/Location ID No 324757

Spill/Release Point Name: Mutual  No Existing Facility or Location ID No.

Number: 7-17H  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): 0 Estimated Produced Water Spill Volume(bbl): 0

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: 38F, clear, calm

Surface Owner: FEE Other(Specify): Kohlman's OK LP

**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):

The separator swamped out releasing approximately 15 bbls oil out the top of the flare stack. The tuning fork inside the separator appears to have failed by not shutting the rod pump down. No fluid left the location. Approximately 5 bbls left secondary containment, and 10 bbls were contained within unlined secondary containment. Transport truck was called to suck up as much oil off of the ground as possible on 4/21/2019. On 4/22/2019 the site was partially scraped using a front end loader. Flowlines, a combustor, and a flare stack will be moved from secondary containment to clean the remaining contamination area. Confirmation samples will be collected and sent for lab analysis when cleanup is completed.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
4/21/2019	COGCC	Kris Neidel Alex Fischer	-	Initial 24 hour notification
4/21/2019	Landowner	Greg Ray	-	Initial 24 hour notification
4/22/2019	Jackson County Administrator	Kent Crowder	-	Initial 24 hour notification

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: 04/29/2019

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	15	15	<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	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): 99 Width of Impact (feet): 50

Depth of Impact (feet BGS): 2 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Walking extent with GPS and mapping area.

Soil/Geology Description:

Ra - Randman sandy loam

Depth to Groundwater (feet BGS) 12 Number Water Wells within 1/2 mile radius: 4

If less than 1 mile, distance in feet to nearest	Water Well	<u>2000</u>	None	Surface Water	<u>2300</u>	None
	Wetlands	<u>300</u>	None <input type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
	Livestock	<u>4500</u>	None <input type="checkbox"/>	Occupied Building	<u>2300</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

The spill area is in the shape of an "L", consisting of two squares: 50' x 46' and 49' x 17'. The total spill area was determined to be 3,133 square feet. The site was excavated using a front-end loader and hydro vac beginning on 4/22/2019. On 4/23/2019, equipment was removed and allowed for access to the remaining spill area, remaining impacted material was removed from the using the front-end loader scraping down to a depth of 24 inches below ground surface (BGS). Field screening was conducted using a PID to determine when removal of impacted materials was complete. Two (2) waste characterization samples were collected from waste soils piles. A total of four (4) confirmation samples were collected from the spill area after impacted materials were removed. Soil samples were sent to ESC Labs for full Table 910-1 analysis. All soil waste was hauled via truck to Twin Enviro Landfill in Milner, CO for disposal.

### CORRECTIVE ACTIONS

#1	Supplemental Report Date:	<u>04/29/2019</u>
Cause of Spill (Check all that apply)		
<input type="checkbox"/> Human Error	<input checked="" type="checkbox"/> Equipment Failure	<input type="checkbox"/> Historical-Unknown
<input type="checkbox"/> Other (specify) _____		
Describe Incident & Root Cause (include specific equipment and point of failure)		
The tuning fork inside the separator failed by not shutting the rod pump down. This caused the separator to be overrun with fluid which released oil through the flowline and out of the top of the flare stack and onto the ground.		
Describe measures taken to prevent the problem(s) from reoccurring:		
All equipment on the location will be subject to a pre-startup safety review prior to recommissioning the equipment. This includes testing all electrical, mechanical, and fluid equipment. The Cause & Effect program in the controller will be tested, and verify that all tuning forks, level and pressure transmitters, and any other feedback mechanisms are working in compliance with engineering limits. SandRidge has also initiated a daily, weekly, monthly, and annual preventative maintenance schedule for all equipment.		
Volume of Soil Excavated (cubic yards): <u>160</u>		
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): <u>0</u>		
Volume of Impacted Surface Water Removed (bbls): <u>0</u>		

### 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 the Form 19 Spill remain open until confirmation sample results are received, anticipated to be on 5/3/2019. If soil results confirm existing impacts from the spill, a Form 27 will be filed.

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: 05/02/2019 Email: mchurch@sandridgeenergy.com

**COA Type****Description**

	Please submit an eForm 19 when results are known. If a Form 19 has not been submitted by 5/17/2019, a Form 27 should be submitted with a project status update.
	Due to the fast response of this spill and the current state of the location (no free fluid, no remaining visual staining or obvious hydrocarbon), the request to report the sample results on a form 19 is approved.

**Attachment Check List****Att Doc Num****Name**

402024233	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402029478	TOPOGRAPHIC MAP
402029479	TOPOGRAPHIC MAP
402029480	SITE MAP
402029481	OTHER
402029880	FORM 19 SUBMITTED

Total Attach: 6 Files

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

		Stamp Upon Approval
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Total: 0 comment(s)