

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

401676092

Date Received:

06/18/2018

Spill report taken by:

NEIDEL, KRIS

Spill/Release Point ID:

455404

**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: (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# 401667968

Initial Report Date: 06/08/2018 Date of Discovery: 06/06/2018 Spill Type: Historical Release

**Spill/Release Point Location:**

Location of Spill/Release: QTRQTR SWDE SEC 30 TWP 7N RNG 80W MERIDIAN 6

Latitude: 40.541977 Longitude: -106.414359

Municipality (if within municipal boundaries): County: JACKSON

**Reference Location:**

Facility Type: WELL PAD  Facility/Location ID No 333288

Spill/Release Point Name: Mutual 4-30 Pad  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? 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): Unknown 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: 75, Lt Breeze, Clear

Surface Owner: FEE Other(Specify): Blaine Evans

**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):

While cleaning surface stains within the tank battery, the hydro vac uncovered a historic spill that was most likely covered with clean material at some point in time. The hydro vac cleaned what was feasible at the time but the majority of the contaminated area was left. Mr. Neidel with the COGCC was contacted on the afternoon of 6/6/2018 to report the findings and on site was conducted on the afternoon of 6/7/2018. The plan forward was agreed to have the site characterized and find the extent of the contamination. On the morning of 6/8/2018 Absaroka consultants were on site to begin coring and characterizing the site. At this time the estimated oil volume and affected material volume is unknown.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
6/6/2018	COGCC	Kris Neidel	970-8711963	Contacted Mr. Neidel for initial report. Met on site with Mr. Neidel to view site and discuss remediation plan

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: 06/15/2018

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" 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? 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?

A soil probe was used to core within and around the tank battery. Soil texture, color, odor and PID readings were recorded regularly throughout the various depths of the soil core (Appendix C). The material in question has a distinct odor, resembling cow manure or an organic-rich marsh soil. One sample was collected for complete Table 910-1 analysis (SRE\_C\_BH2\_15). This sample displayed the strongest qualities of the stained material (color, odor, and texture). Two other samples were collected and analyzed for BTEX, GRO, and DRO (SRE\_TPH\_BH6\_36 and SRE\_TPH\_BH11\_12). SRE\_TPH\_BH6\_36 was collected from a layer of sandy soil located under the material in question. SRE\_TPH\_BH11\_12 was collected from soil that displayed some of the qualities of the stained material and was on the peripheral extremity of the stained material's location. Probing identified the stained material to be approximately 80' x 50' in size, at variable depths of 1-4' below the ground surface. Probing outside of the tank battery berm identified additional stained material at location BHE2. Location BHE2 is inside of secondary containment (separator/production equipment berm), about 15' outside of the tank battery berm. The stained material's location is not continuous and may be sporadically located within containment. Probing did not identify the stained material outside of the production berms.

Soil/Geology Description:

Depth to Groundwater (feet BGS) 50 Number Water Wells within 1/2 mile radius: 1  
 If less than 1 mile, distance in feet to nearest Water Well 2000 None  Surface Water 400 None   
 Wetlands 1700 None  Springs \_\_\_\_\_ None   
 Livestock 1000 None  Occupied Building 2850 None

Additional Spill Details Not Provided Above:

Analysis of soil samples collected confirm the absence of elevated concentrations of all constituents of concern listed in Table 910-1 aside from the SRE\_C\_BH2\_15 sample that had a pH of 5.52 standard units. This is lower than the COGCC Table 910-1 range of 6.0–9.0 standard units. Material is suspected to be a result of previous operations. SandRidge will continue to communicate with the COGCC if/when historic materials are discovered through current operations.

### 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:

Please see attached documentation of site characterization and analytical results.

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: 06/18/2018 Email: mchurch@sandridgeenergy.com

### Condition of Approval

#### COA Type

#### Description

	Sandridge should continue to observe fittings and mechanical connections, etc for proper operation.
	Based on review of information presented it appears that no further action is necessary at this time, and 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 significantly impacted, then further investigation and/or remediation activities may be required at the site.
2 COAs	

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
401676092	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401676093	TOPOGRAPHIC MAP
401676094	SITE MAP
401676095	ANALYTICAL RESULTS
401676096	ANALYTICAL RESULTS
401676097	OTHER
401676104	OTHER
401676106	AERIAL PHOTOGRAPH
401686230	FORM 19 SUBMITTED

Total Attach: 9 Files

## General Comments

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

Total: 0 comment(s)