

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401958322

Date Received:

03/04/2019

Spill report taken by:

NEIDEL, KRIS

Spill/Release Point ID:

462655

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 Phone: (405) 429-5745 Mobile: (405) 651-6853 Email: mchurch@sandridgeenergy.com
Address: 123 ROBERT S KERR AVE		
City: OKLAHOMA CITY	State: OK Zip: 73102	
Contact Person: Matt Church		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401949426

Initial Report Date: 02/23/2019 Date of Discovery: 02/22/2019 Spill Type: Recent Spill

Spill/Release Point Location:

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

Latitude: 40.584359 Longitude: -106.404626

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 Pad

☐ No Existing Facility or Location ID No.

Number: 01-17H

☐ 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): 0

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): >=100

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: 0F, 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):

At approximately 2330 on 2/22/2019 we had a spill on the Mutual Pad. Initial estimates are 360 bbls of flowback water were spilled outside of secondary containment. The source was a clean out hatch that failed on a Rain for Rent temporary frac tank.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
2/23/2019	Landowner	Greg Ray	970-846-4901	24 hour initial phone call
2/23/2019	COGCC	Kris Neidel	970-846-5097	24 hour initial phone call & email
2/23/2019	COGCC	Alex Fischer	303-894-2100	24 hour initial email
	Jackson County Administrator	Kent Crowder	970-723-4660	24 hour initial email

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: 03/04/2019		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<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	360	360	<input type="checkbox"/>
OTHER E&P WASTE	0		<input checked="" 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): 300 Width of Impact (feet): 25

Depth of Impact (feet BGS): 0 Depth of Impact (inches BGS): _____

How was extent determined?

Areal extent measured by walking perimeter of spill

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 2000 None ☐ Surface Water 2300 None ☐

Wetlands 800 None ☐ Springs None ☒

Livestock 4500 None ☐ Occupied Building 4600 None ☐

Additional Spill Details Not Provided Above:

Conditions on site were snow packed/icy at time of spill. The flowback water melted into the snow but did not appear to have entered into the soil surface since the soil was frozen. Soil samples were collected on 2/23/2019 which will clarify whether the soil was contaminated. The spill froze and then was scraped with loaders and a scraper on 2/23/2019, placed in to a high-wall tank or bermed until the contaminated material could be trucked to disposal at Twin Enviro in Milner, CO. Waste manifests have not yet been delivered to provide total amount of E&P waste recovered.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/04/2019

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)

A temporary frac tank was placed on the pad to store flowback water from the Peters wells. The tank was placed within a string of tanks and the hatches were covered from site by the tanks in the row. The driver of the truck and the subsequent driver loading water into the tank did not complete equipment checks to make sure the hatches were shut and in properly working condition. When the drivers began loading into the tank the spill was not immediately observed which allowed for the tank to spill unnoticed for more than one load. The side clean out hatch had not been bolted down properly which was the source of the spill.

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

Temporary frac tanks are being removed from the location. Any tanks being used for flowback and water storage operations will be inspected by company representatives following transportation to the site to ensure that they are suitable for use. A daily monitoring routine will be developed to check tanks being used for flowback operations and water storage while on site. All temporary frac tanks will be bermed on locations.

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:

A characterization sample (SDE_M1-17_SS_C_1-2) was collected from the waste pile, which was composited soil from what could be scraped from the frozen ground. Another soil sample (SDE_M1-17_SS_02_1-2) was collected in what visually appeared to be the most impacted area, nearest the spill point, after it had been scraped. Results showed that soils were not impacted above Table 910 standards, aside from high SAR in the waste pile. Further soil samples were sent to the lab and confirmation results are expected back on 3/8/2019. Another supplemental will be filed on 3/11/2019, or thereabouts pending the the confirmation results, requesting closure, if applicable. If the 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: 03/04/2019 Email: mchurch@sandridgeenergy.com

<u>COA Type</u>	<u>Description</u>
	It appears the source water has >910-1 concentrations of Benzene and Elevated Chlorides.
	Sandridge addressed prevention a similar type of spill per rule 906.d(2) in this report.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401958322	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401958343	ANALYTICAL RESULTS
401958370	AERIAL PHOTOGRAPH
401958535	ANALYTICAL RESULTS
401959994	ANALYTICAL RESULTS
401962268	FORM 19 SUBMITTED

Total Attach: 6 Files

General Comments

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

Total: 0 comment(s)