

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:

402436370

Date Received:

07/06/2020

Spill report taken by:

FISCHER, ALEX

Spill/Release Point ID:

477094

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: (817) 3076869 Mobile: (817) 3076869 Email: dmair@sandridgeenergy.com
Address: 123 ROBERT S KERR AVE		
City: OKLAHOMA CITY	State: OK Zip: 73102	
Contact Person: Dylan Mair		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402433203

Initial Report Date: 06/29/2020 Date of Discovery: 06/26/2020 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NESE SEC 16 TWP 7N RNG 80W MERIDIAN 6

Latitude: 40.573457 Longitude: -106.381427

Municipality (if within municipal boundaries): N/A County: JACKSON

Reference Location:

Facility Type: TANK BATTERY ☐ Facility/Location ID No _____
Spill/Release Point Name: Pintail Battery ☐ Well API No. (Only if the reference facility is well) 05- -
☒ No Existing Facility or Location ID No.

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): 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: 155 bbl produced water spilled in containment.

Land Use:

Current Land Use: NON-CROP LAND Other(Specify): _____

Weather Condition: Sunny

Surface Owner: FEE Other(Specify): 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):

155 bbl produced water discovered inside containment on 6/26/2020 at 10:30 MST. Cleanup complete via vac truck at 3:32 MST. Water did not leave containment. Water was disposed of down the Pintail 2 SWD.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
6/26/2020	Greg Ray	ggrayranch@gmail.com	-	
6/26/2020	Kent Crowder	kentcrowder47@gmail.com	-	

Was there a Grade 1 Gas Leak? Yes ☐ No ☒

If YES, enter the Document Number of the Grade 1 Gas Leak Report Form 44: _____

Was there a reportable accident associated with either a Grade 1 Gas Leak or an E&P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Accident Report, Form 22: _____

Was there damage during excavation? Yes ☐ No ☒

If YES, was CO 811 notified prior to excavation? Yes ☐ No ☐

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 06/26/2020		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	155	155	<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): 135 Width of Impact (feet): 63

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

How was extent determined?

See attached 'Pintail Tanks-Model.pdf' for diagram used in calculation. See attached 'Volume Calcs.pdf' for calculations.

Soil/Geology Description:

Spill occurred inside lined containment. No water left containment. Containment is set on gravel/road base.

Depth to Groundwater (feet BGS) 100 Number Water Wells within 1/2 mile radius: 1

If less than 1 mile, distance in feet to nearest Water Well 2611 None ☐ Surface Water 2112 None ☐
Wetlands _____ None ☒ Springs _____ None ☒
Livestock _____ None ☒ Occupied Building 2323 None ☐

Additional Spill Details Not Provided Above:

See attached 'DWR_3420080.pdf' for groundwater analysis. The static fluid level on the closest GW well was 100'. Surface water distances: 2112' to Grizzly Ditch, 2640' to Grizzly Creek. Water well distances: 2611' to Permit No 312674, 3723' to Permit No 132297, 2759' to Permit No 73209. Potentially occupied barn 2323' away.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 07/02/2020

Root Cause of Spill/Release Corrosion

Other (specify) _____

Type of Equipment at Point of Spill/Release: Other

If "Other" selected above, specify or describe here:

Produced water tank - weld seam between bottom of tank and shell of tank.

Describe Incident & Root Cause (include specific equipment and point of failure)

Corrosion around weld seam between bottom of tank and shell of tank. Approximately 2.5" sludge built up in bottom of tank, promoting bacterial corrosion.

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

1. Drop solid biocide blocks in all PW tanks (completed 7/1/2020). 2. Clean and inspect remaining unlined PW tanks. See attached quote. Pending inspector availability, tentatively week of 7/13/2020. 3. Modify tank chemical treatment program based on inspection results. Our chemical program is ongoing.

Volume of Soil Excavated (cubic yards): 0

Disposition of Excavated Soil (attach documentation) ☐ Offsite Disposal ☐ Onsite Treatment

☒ Other (specify) No soil impacted

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: Dylan Mair

Title: Production Engineer Date: 07/06/2020 Email: dmair@sandridgeenergy.com

COA Type**Description**

	Per COGCC rule 906.d.(2), Sandridge shall, “..identify and timely implement measures to prevent spills/releases due to similar causes in the future.”
	The operator shall submit any information that is available concerning failure analysis, integrity/pressure testing, and any data concerning the root causes of the spill.
	Request for closure has been unchecked. The operator shall provide a Supplemental F19 describing how the remaining fluids and salt staining had been removed from the secondary containment.

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

402436370	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402436481	SITE MAP
402436485	OTHER
402436486	OTHER
402436490	ANALYTICAL RESULTS
402437621	AERIAL PHOTOGRAPH
402444457	FORM 19 SUBMITTED

Total Attach: 7 Files

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

		Stamp Upon Approval
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Total: 0 comment(s)