

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401914522

Date Received:

01/23/2019

Spill report taken by:

NEIDEL, KRIS

Spill/Release Point ID:

460719

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	Mobile: (405) 6516853
	Zip: 73102	Email: mchurch@sandridgeenergy.com
Contact Person: Matt Church		

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401906033

Initial Report Date: 01/15/2019 Date of Discovery: 01/15/2019 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 9 TWP 7N RNG 80W MERIDIAN 6

Latitude: 40.585538 Longitude: -106.388126

Municipality (if within municipal boundaries): County: JACKSON

Reference Location:

Facility Type: WELL PAD Facility/Location ID No 439603
 Spill/Release Point Name: Gregory No Existing Facility or Location ID No.
 Number: 0780 1-09H 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): >=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: 1 degrees F, Clear SW 6 MPH Wind
 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):

Cold weather conditions caused equipment and programming malfunction MOVs did not shut which allowed the wells to continue to produce, overrun the allocation vessels, and send liquid down the gas line which was able to dump into the slop/condensate tank. The tank overflowed and led into a total of approximately 6 BBLs of oil was spilled - 5.5 within earthen containment and 0.5 outside of containment. The spill was discovered at 7:30 AM on 1/15/2019. COGCC was contacted to initiate Form 19 procedures. Hydro vac arrived shortly after the spill was found and the system was shut down. Cleanup procedures are underway and are expected to be completed the week ending 1/18/2019 with ongoing efforts as required by the COGCC.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
1/15/2019	COGCC	Kris Neidel	970-846-5097	Initial 24 hour notification contact
	Jackson County Administrator	Kent Crowder	970-723-4660	Informed of spill and cleanup procedures
	Land Owner	Greg Ray (Shaw Silverberg)	970-219-3561	Greg is out on vacation and met Shawnface to face to inform of spill and cleanup procedures. Shawn is managing the Kohlman's ranch.

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: 01/23/2019

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	6	6	<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): 100 Width of Impact (feet): 50

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

How was extent determined?

Walked area of spray and mapped with handheld GPS

Soil/Geology Description:

St - Stumpp clay loam; Nr - Norriston gravelly sandy loam

Depth to Groundwater (feet BGS) 25 Number Water Wells within 1/2 mile radius: 2
 If less than 1 mile, distance in feet to nearest Water Well 2000 None Surface Water 700 None
 Wetlands 650 None Springs _____ None
 Livestock 250 None Occupied Building 1500 None

Additional Spill Details Not Provided Above:

Oil leaked out of containment due to spraying from overflow valve and PRV on line out of meter housing. The mist from the spray covered an area of approximately 75 x 50 feet on snow surface and did not touch the ground surface.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/23/2019

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)

Overnight cold weather caused a freeze up on the Big Horn heater treaters, shutting the site down on a high pressure kill. This shut the MOV to pipe line inlet which then initiated system shutdowns for wells associated with the BH gathering system. Due to a programming malfunction, the Janet 1 and 2 MOVs did not shut which allowed the wells to continue to produce, overrun the allocation vessels, and send liquid down the gas line. Liquid ran to the upright scrubber which was able to dump into the slop/condensate tank. Once the tank overfilled, liquid ran into the gas to flare line where it hit a pressure regulator at the meter causing liquid to spray from the back pressure valve prior to flare.

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

Electrical found the root of the issue and it pertained to issues with the wireless code programming within the MOV's. The program was recoded with each individual well receiving an call, tested, and put into service.

Volume of Soil Excavated (cubic yards): 100

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: 12465

OPERATOR COMMENTS:

SD is requesting to work under an approved Form 27 to remediate impacts associated with this spill.

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: 01/23/2019 Email: mchurch@sandridgeenergy.com

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401914522	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401914646	AERIAL PHOTOGRAPH
401935850	FORM 19 SUBMITTED

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	Sandridge should provide evidence that the bermed secondary containment is lined.	01/23/2019
Environmental	Work proceeding under Remediation Project number 12465.	01/23/2019

Total: 2 comment(s)