

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:
401980940
Date Received:
03/22/2019

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:
463340

OPERATOR INFORMATION

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

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401972916

Initial Report Date: 03/14/2019 Date of Discovery: 03/14/2019 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENW SEC 9 TWP 6N RNG 80W MERIDIAN 6
Latitude: 40.509980 Longitude: -106.384040
Municipality (if within municipal boundaries): County: JACKSON

Reference Location:

Facility Type: WELL PAD Facility/Location ID No 445005
Spill/Release Point Name: Surprise Unit No Existing Facility or Location ID No.
Number: 0680 /S9 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): 0 Estimated Condensate Spill Volume(bbl): 0
Estimated Flow Back Fluid Spill Volume(bbl): >=5 and <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: 15F, Light Snow Fog/Mist and Breezy
Surface Owner: FEE Other(Specify): North Park Registered Herefords

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 1000 this morning (3/14/2019) flowback crews found an approximately 10 to 15 bbl spill of flowback water on the SU 9 pad. The crews had shut down the site on 3/13/2019 and given escort off-site back to Walden due to severe snowstorm. When they arrived back on-site today they found that two frac tanks storing flowback water had failed valves. The valves slowly leaked out flowback water onto the pad. Frac tanks had earthen berms constructed around them so no fluid left the secondary containment area and no fluid left the pad site. However, the area under the tanks are not lined. Flowback crews isolated and plugged the leaking valves. Hydro vac was dispatched to recover the fluids spilled and snow melt within the bermed area. Approximately 12 barrels were recovered from the spill.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

| Date | Agency/Party | Contact | Phone | Response |
|-----------|------------------------------|--------------|--------------|------------------------------------|
| 3/14/2019 | Landowner | Greg Ray | 970-846-4901 | 24 hour initial phone call |
| 3/14/2019 | COGCC | Kris Neidel | 970-846-5097 | 24 hour initial phone call & email |
| 3/14/2019 | COGCC | Alex Fischer | 303-894-2100 | 24 hour initial email |
| 3/14/2019 | 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: 03/21/2019

| 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 | 10 | 10 | <input type="checkbox"/> |
| OTHER E&P WASTE | 0 | 2 | <input type="checkbox"/> |

specify: snow melt mixed with flowback water

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): 80 Width of Impact (feet): 15

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

How was extent determined?

mapping using gps

Soil/Geology Description:

Ca - cabin sandy loam

Depth to Groundwater (feet BGS) 20 Number Water Wells within 1/2 mile radius: 1
 If less than 1 mile, distance in feet to nearest Water Well 2600 None Surface Water 3620 None
 Wetlands 600 None Springs None
 Livestock 4000 None Occupied Building 4000 None

Additional Spill Details Not Provided Above:

The ground conditions on site were snowpacked and the soil was frozen. The material that hit the ground partially melted into the snow but did not enter into the soil surface. The area was cleaned using a hydro vac and contaminated material was transported via truck to Twin Enviro in Milner, CO for disposal.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/21/2019

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)

Root cause for the spill was valve not being completely shut. The crews on site were emergency evacuated off site via snow plow due to adverse weather conditions and state hwy 14 closure. When the crews were leaving the location the valves were closed but not completely which allowed the fluid to slowly escape from the frac tanks.

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

SD is implementing a comprehensive weather and safety evacuation protocol that will identify when action shall be taken for emergency shut down. Procedures to ensure the safety of crews on site will be outlined as well as procedures to ensure that all equipment on site is safe to leave without manpower supervision.

Volume of Soil Excavated (cubic yards): 20

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:

At this time SD is not requesting closure of this spill. SD is requesting to keep this spill open pending the results of soil sampling collected on 3/15/2019. Sampling results are expected back from the lab on 3/25/2019. Further, flowback water samples will be collected on 3/25/2019. At this time the pad is currently under construction to accomodate facilities, as well as simultaneous operations of flowback and work over rigs on the well heads. Further, the site will fall under CPW sage grouse stipulations on April 1, 2019, which precludes new construction and places timing period restrictions for operations and maintenance on the site until June 30, 2019. To address all of the COA's outlined in the Form 19I, a Form 27 will be filed in April. Please refer to attachments and the spill and corrective actions reports.

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: 03/22/2019 Email: mchurch@sandridgeenergy.com

COA Type

Description

| | |
|--|---|
| | The sample results should be submitted on a Form 27 workplan. |
|--|---|

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|------------------------------------|
| 401980940 | SPILL/RELEASE REPORT(SUPPLEMENTAL) |
| 401980976 | SITE MAP |
| 401981002 | TOPOGRAPHIC MAP |
| 401981567 | AERIAL PHOTOGRAPH |
| 401982813 | FORM 19 SUBMITTED |

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)