

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:

401224787

Date Received:

03/06/2017

Spill report taken by:

Spill/Release Point ID:

SPILL/RELEASE REPORT (INITIAL /w 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: LINN OPERATING INC Operator No: 10516
Address: 600 TRAVIS STREET #1400
City: HOUSTON State: TX Zip: 77002
Contact Person: Tom Hogelin
Phone Numbers: Phone: (970) 2855207 Mobile: (970) 9482785 Email: thogelin@linnenergy.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401224787

Initial Report Date: 03/03/2017 Date of Discovery: 03/03/2017 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 4 TWP 6S RNG 96W MERIDIAN 6

Latitude: 39.554882 Longitude: -108.119669

Municipality (if within municipal boundaries): County: GARFIELD

Reference Location:

Facility Type: WELL PAD [X] Facility/Location ID No 335597
[ ] No Existing Facility or Location ID No.
[ ] 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? No

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): >=1 and <5
Estimated Other E&P Waste Spill Volume(bbl): 0 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

Land Use:

Current Land Use: OTHER Other(Specify): Grazing
Weather Condition: Clear, cold, calm
Surface Owner: OTHER (SPECIFY) Other(Specify): Chevron USA

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):

On March 3, 2017 at 9:45am, water contractor, Knowles, notified Linn's lease operator, Luke Hopper, via two-way radio there was a "geyser" on the L04 696 well pad. Luke arrived on location at 10:00am and discovered fluid on the pad from a ruptured water dump line on the outside of the tank containment. Luke re-routed the water dump to go to the oil side, checked for other leaking, and retested the oil line. Both lines recently passed pressure testing. Observation of the amount of produced water on the surface and by measuring the level in the #2 tank, Luke calculated that less than 2 bbls of produced water were released.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
3/3/2017	Chevron - land owner	Craig Tysse	970-2589722	acknowledged report
3/3/2017	COGCC	Carlos Lujan	970-9252497	acknowledged report
3/6/2017	Garfield County	Kirby Wynn	970-9872557	acknowledged report

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 03/06/2017

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>2</u>	<u>0</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<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): 50 Width of Impact (feet): 20

Depth of Impact (feet BGS): \_\_\_\_\_ Depth of Impact (inches BGS): 2

How was extent determined?

Measured stained surface soil with tape measure. Hand dug stained soil to clean soil.

Soil/Geology Description:

silt

Depth to Groundwater (feet BGS) 40 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

Water Well	_____	None <input checked="" type="checkbox"/>	Surface Water	<u>345</u>	None <input type="checkbox"/>
Wetlands	<u>345</u>	None <input type="checkbox"/>	Springs	_____	None <input checked="" type="checkbox"/>
Livestock	_____	None <input checked="" type="checkbox"/>	Occupied Building	_____	None <input checked="" type="checkbox"/>

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1	Supplemental Report Date:	03/06/2017
Cause of Spill (Check all that apply)		
<input type="checkbox"/> Human Error <input type="checkbox"/> Equipment Failure <input type="checkbox"/> Historical-Unknown		
<input checked="" type="checkbox"/> Other (specify) <u>pipe failure</u>		
Describe Incident & Root Cause (include specific equipment and point of failure)		
Dump line failure due to internal corrosion of the 2" buried line.		
Describe measures taken to prevent the problem(s) from reoccurring:		
On March 7, the line will be excavated, new dump line(s) will be installed, and treated with an internal coating to prevent future corrosion. Contaminated soil will be excavated and stockpiled on a liner and bermed on site. Spill area will be excavated to clean soil and the spoil will be sampled and tested to 910-1. If excavated spoil meets 910-1, it will be used to backfill the excavation. If not, spoils will be treated and landfarmed on site and soil will be brought from outside location to backfill with landowner approval.		
Volume of Soil Excavated (cubic yards): _____		
Disposition of Excavated Soil (attach documentation)		
<input type="checkbox"/> Offsite Disposal <input type="checkbox"/> Onsite Treatment		
<input type="checkbox"/> Other (specify) _____		
Volume of Impacted Ground Water Removed (bbls): <u>0</u>		
Volume of Impacted Surface Water Removed (bbls): <u>0</u>		

## 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: Tom Hogelin

Title: Construction Foreman Date: 03/06/2017 Email: thogelin@linnenergy.com

<u>COA Type</u>	<u>Description</u>

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401224927	OTHER

Total Attach: 1 Files

## General Comments

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

Total: 0 comment(s)