

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:

401944638

Date Received:

02/28/2019

Spill report taken by:

Arauz, Steven

Spill/Release Point ID:

461615

## 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: <u>MUSTANG RESOURCES LLC</u>	Operator No: <u>10550</u>	<b>Phone Numbers</b>
Address: <u>1660 LINCOLN STREET SUITE 1450</u>		Phone: <u>(720) 5507507</u>
City: <u>DENVER</u>	State: <u>CO</u>	Mobile: <u>(303) 8075112</u>
Zip: <u>80264</u>		Email: <u>dlemon@mustangresourcesllc.com</u>
Contact Person: <u>Deb Lemon</u>		

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401924926

Initial Report Date: 01/31/2019 Date of Discovery: 01/31/2019 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENE SEC 13 TWP 6S RNG 94W MERIDIAN 6

Latitude: 39.530875 Longitude: -107.829154

Municipality (if within municipal boundaries): \_\_\_\_\_ County: GARFIELD

#### Reference Location:

Facility Type: PIPELINE

☐ Facility/Location ID No \_\_\_\_\_

Spill/Release Point Name: sales meter line

☒ No Existing Facility or Location ID No.

Number: \_\_\_\_\_

☐ 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? No

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): Unknown

Estimated Condensate Spill Volume(bbl): Unknown

Estimated Flow Back Fluid Spill Volume(bbl): Unknown

Estimated Produced Water Spill Volume(bbl): Unknown

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: 22 degrees F / Sunny

Surface Owner: FEE

Other(Specify): Williams

#### 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 Saturday, January 26th, 2019 at 8:15am Mustang received a call regarding a potential leak in a gas line. The call was initiated by Williams to Mustang's 800 emergency service, who in turn immediately reached a Mustang representative. Mustang field personnel arrived at the location at approximately 10:30am and conducted a pressure test. The line was immediately blown down and the field shut-in. It was determined that a potential leak is located in an isolated location upstream of a sales meter. Mustang contacted COGCC and met Steven Arauza and Richard Murray with COGCC at the location on 1/31/2019. Mustang has contacted the appropriate contractors to initiate a subsurface investigation and anticipates that this work will begin within 48 hours pending access due to frozen ground. This is a gas line and there is no confirmed impact to soils.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
1/31/2019	Garfield County	Kirby Wynn	970-945-1377	Mr. Wynn was notified via email that a Form 19 Spill Report was submitted. Mustang provided the COGCC Document number.
2/1/2019	Clough Sheep Co	Dan Snyder	970-618-7749	Surface Owner - SGM contacted Mr. Snyder via phone. Owner would like updates.
1/31/2019	Williams	Annette Garrigues	970-618-3329	Williams EH&S Specialist on site.
1/31/2019	Williams	Gregory Anoa	970-263-2744	Williams EH&S Specialist on site.

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: 02/22/2019		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	1	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: Estimated 1 to 5 bbls of dry natural gas condensate, max amount isolated pipe held was 5.6 bbls

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): 20 Width of Impact (feet): 20

Depth of Impact (feet BGS): 7 Depth of Impact (inches BGS):

How was extent determined?

In the field extent determination was assessed by peak/real PID readings of Isobutylene in ppm (Attachment: Daily\_PID\_Reports) at soil surfaces as the pipeline was excavated to the location of the leak. Readings below 50 ppm were used to determine the outer extents of impact. Soil Samples were taken around the site (Attachment: Figure 3.pdf) to further determine the extent. Soil Sample Sites 1 – 3 were collected on 1/31/19 and 2/1/19. Sample Site 1 was located near the leak, Sample Site 2 was taken downgradient from the leak, and Sample Site 3 was a background sample taken upgradient and off site of the leak. Sample Site 4 was taken in the ephemeral wash downgradient from the site, as an additional background sample. Sample Sites 5-7 were taken on the south, east, and north (respectively) edges of the excavation site on 2/6/2019 for spill extent confirmation. Final soil results are attached and are also summarized in the attached table, with Sample Site 7 indicating Table 910-1 exceedance levels for DRO/GRO and BTEX. All sample sites are above the limits of arsenic and boron, and Sample Sites 2, 3, and 6 are above the pH value limit. Background samples indicate naturally elevated arsenic, boron, and pH in the location. More excavation occurred on 2/21/2019 and 2/22/2019 on the north wall of the pit in order to remove the contaminated soil seen in results from Sample 7. Additional samples were collected on 2/22/2019 (Sample Sites 8 & 9), at the floor of the excavation and the northern most extent of new excavation. Lab results have not yet been received for Sample Sites 8 & 9.

#### Soil/Geology Description:

NRCS Soils classification: Arvada loam, 1 to 6 percent slopes, silty clay. The site location has hard, dry, silty clay soils both native and as fill around pipelines.

Depth to Groundwater (feet BGS)	12	Number Water Wells within 1/2 mile radius:	0			
If less than 1 mile, distance in feet to nearest	Water Well	2764	None <input type="checkbox"/>	Surface Water	522	None <input type="checkbox"/>
	Wetlands	1646	None <input type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
	Livestock		None <input checked="" type="checkbox"/>	Occupied Building	1435	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Additional excavation to the north (from Sample Site 7) was completed on 2/21/2019. Two more samples will be taken on 2/22/2019 to assess that contaminated soils have been excavated.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/22/2019

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)

Leaking condensate line was discovered by Williams staff conducting leak survey on the site. Mustang field personnel arrived at the location at approximately 10:30am and conducted a pressure test. The line was immediately blown down and the field shut-in. Once excavated, the pipe displayed minor exterior corrosion likely from an imperfection during installation (outer coating damaged).

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

The leaking condensate line was capped above the leak location and taken permanently out of service. Additional abandoned/unclaimed 2" and 8" pipelines (legacy from when the site used to be a compressor stations) were also capped/removed.

Volume of Soil Excavated (cubic yards): 200

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:**

Based on the soil samples results and Table 910-1 exceedances for Sample Site 7, Mustang continued excavation to the north of the leak location, following the fill from the abandoned 8" line on 2/21/2019 and 2/22/2019. Two more samples were taken on 2/22/2019 (Sample Site 8 & 9) to assess the northern extent of the contamination and to ensure impacted soils have been removed. Results for these two additional samples should be finalized around March 5th.

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Eric Petterson

Title: Environmental Team Lead Date: 02/28/2019 Email: ericp@sgm-inc.com

**COA Type****Description**

	Submit analytical results summary table and complete laboratory reports for Samples 8 and 9 via eForm 19 Supplemental.  If analytical results indicate that all impacted soil has been excavated, this Supplemental eForm 19 may include a request for closure.
--	---

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

401944638	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401948607	ANALYTICAL RESULTS
401948608	ANALYTICAL RESULTS
401948609	ANALYTICAL RESULTS
401948635	ANALYTICAL RESULTS
401954428	SITE MAP
401961125	FORM 19 SUBMITTED

Total Attach: 7 Files

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

Environmental	Analytical results document Table 910-1 exceedances for arsenic and pH for all reported samples (1-7). Additional pH exceedances documented for samples 2, 3, and 6. Samples 3 and 4 demonstrate background exceedances of Table 910-1 for arsenic, boron, and pH.	03/05/2019
Environmental	Analytical results summary table lists SAR of 5.2 for Sample 7 - N Final. Actual SAR, according to laboratory report is 13. Analytical results for Sample 7 - N Final indicate Table 910-1 exceedances for TPH, benzene, and xylenes in this location. Operator has conducted additional excavation of impacted soils in this area.	03/05/2019
Environmental	Removed operator's Request for Closure because additional soil sample data have not yet been received.	03/05/2019

Total: 3 comment(s)