

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:

401960843

Date Received:

03/06/2019

Spill report taken by:

Arauzo, 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>	Phone Numbers
Address: <u>1660 LINCOLN STREET SUITE 1450</u>		Phone: <u>(720) 5507507</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80264</u>		Mobile: <u>(303) 8075112</u>
Contact Person: <u>Deb Lemon</u>		Email: <u>dlemon@mustangresourcesllc.com</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): <u>Unknown</u>	Estimated Condensate Spill Volume(bbl): <u>Unknown</u>
Estimated Flow Back Fluid Spill Volume(bbl): <u>Unknown</u>	Estimated Produced Water Spill Volume(bbl): <u>Unknown</u>
Estimated Other E&P Waste Spill Volume(bbl): <u>0</u>	Estimated Drilling Fluid Spill Volume(bbl): <u>0</u>

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 Anoaia	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: 03/05/2019

FLUIDS	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): 25

Depth of Impact (feet BGS): 7 Depth of Impact (inches BGS): 84

How was extent determined?

In the field extent determination was assessed by peak/real PID readings of Isobutylene in ppm 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. Additionally, soil samples were taken around the site (see attached site map/soil sample location map) to further determine the extent. Soil Sample Site 1 was taken as a reference sample of the spill contaminates and was located above the Rulison Sales Pipe. Soil Sample Site 2 was taken in the area downgradient of the spill to confirm it was not impacted by the spill and to distinguish the active spill from possible historical contaminates. Soil Sample Sites 3 & 4 (upgradient and downgradient of the spill, respectively) were both taken as background samples. Soil Sample Site 5 determined the southern extent and Sample Site 6 determined the eastern extent of the contamination and confirmed affected soils were removed. Sample Site 7 was taken on 2/6/19 to determine the northern extent of the spill, but lab results came back with TPH exceedances and additional excavation extending further north was completed on 2/21/2019. Sample Site 8 was taken below the Rulison Sales Pipe at the location of the leak to determine the vertical depth of impact and confirm affected soils were removed. Sample Site 9 was taken at the northern extent of the spill (after the additional 2/21/2019 excavation) to confirm the affected soils were removed.

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 Surface Water 522 None
 Wetlands 1646 None Springs _____ None
 Livestock _____ None Occupied Building 1435 None

Additional Spill Details Not Provided Above:

Final soil results are summarized in the attached table. Sample Site 7 had Table 910-1 exceedance levels for TPH, GRO, and BTEX. This was addressed by further excavation and removal of contaminated soil to the north (confirmed by Sample Site 9 results). Sample Sites 1-9 are above the Table 910-1 limits of arsenic. Background Sample Sites 3 & 4 show naturally elevated levels of arsenic in native soil of the area. Based on FAQ-31, "consideration shall be given to background concentration levels in native soils and ground water", the other sample sites are within native arsenic concentrations. Sample Sites 1-7 are above the Table 910-1 limits of Boron (Hot Water Soluble). As the site is not cropland, FAQ-34 can be applied to confirm the levels are not problematic. Sample Sites 2 and 6 are above the Table 910-1 pH value limit. The background Sample Site 3 is also above the pH limit, suggesting naturally high pH in native soils. The sample sites collected in the spill extents are all below 3 feet of ground surface and will be buried under a minimum of three feet of backfill material. FAQ-32 is applicable for this case, and the elevated pH levels will not be problematic.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/05/2019

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:

Mustang Resources, LLC is requesting closure of the Rulison Sales Pipe pipeline release as all impacted material has been excavated and disposed of to an offsite commercial disposal facility. Remaining soils satisfy COGCC Table 910-1 thresholds with consideration of FAQ-31, FAQ-32, and FAQ-34, as described in the spill/release detail report section.

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: 03/06/2019 Email: ericp@sgm-inc.com

COA Type

Description

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401961432	ANALYTICAL RESULTS
401961433	SITE MAP
401961434	ANALYTICAL RESULTS

Total Attach: 3 Files

General Comments

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

Total: 0 comment(s)