

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400747216

Date Received:

12/08/2014

Spill report taken by:

Spencer, Stan

Spill/Release Point ID:

440181

## SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

### OPERATOR INFORMATION

Name of Operator: <u>WPX ENERGY ROCKY MOUNTAIN LLC</u>	Operator No: <u>96850</u>	<b>Phone Numbers</b>
Address: <u>1001 17TH STREET - SUITE #1200</u>		Phone: <u>(970) 6832295</u>
City: <u>DENVER</u>	State: <u>CO</u>	Mobile: <u>(970) 5890743</u>
Zip: <u>80202</u>		Email: <u>karolina.blaney@wpxenergy.com</u>
Contact Person: <u>Karolina Blaney</u>		

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400742430

Initial Report Date: 11/30/2014 Date of Discovery: 11/29/2014 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NWSW SEC 34 TWP 6S RNG 95W MERIDIAN 6

Latitude: 39.483292 Longitude: -107.993448

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

#### Reference Location:

Facility Type: OTHER ☒ Facility/Location ID No 440180

☐ 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? 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): 0

Estimated Produced Water Spill Volume(bbl): 0

Estimated Other E&P Waste Spill Volume(bbl): >=5 and <100

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: Frac Water

#### Land Use:

Current Land Use: NON-CROP LAND

Other(Specify): \_\_\_\_\_

Weather Condition: Cloudy, cold

Surface Owner: FEE

Other(Specify): \_\_\_\_\_

#### 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*

The spill was caused by equipment failure. A weld on an above ground frac water supply line was compromised resulting in an estimated 5bbbls of frac water to migrate along a roadside bar ditch, pooling in a stormwater catch basin. The impacted area will be sampled to determine if remediation is necessary.

## OTHER NOTIFICATIONS

<u>Date</u>	<u>Agency/Party</u>	<u>Contact</u>	<u>Phone</u>	<u>Response</u>
11/30/2014	COGCC	Stan Spencer	970-625-2497	Initial Form 19
11/30/2014	County	Kirby Wynn	970-625-5905	email
11/30/2014	Fire Department	David Blair	970-285-9119	email
11/30/2014	XTO Energy		-	email

## SPILL/RELEASE DETAIL REPORTS

<b>#1</b>	Supplemental Report Date: <u>12/08/2014</u>	
<b>FLUIDS</b>	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>0</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>20</u>	<u>80</u> <input type="checkbox"/>
specify: <u>frac water</u>		
Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>		
<i>Secondary containment, <b>including walls &amp; floor regardless of construction material</b>, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>		
<b>A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit</b>		
Impacted Media (Check all that apply) <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature		
Surface Area Impacted: Length of Impact (feet): <u>1280</u>		Width of Impact (feet): <u>135</u>
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): <u>3</u>
How was extent determined?		
By field measurements and mapping with a Trimble GPS unit.		
Soil/Geology Description:		
Potts-Ildefonso complex - Stony to very stony clay loam		
Depth to Groundwater (feet BGS) <u>100</u>		Number Water Wells within 1/2 mile radius: <u>3</u>
If less than 1 mile, distance in feet to nearest	Water Well <u>1575</u> None <input type="checkbox"/>	Surface Water <u>147</u> None <input type="checkbox"/>
	Wetlands _____    None <input checked="" type="checkbox"/>	Springs _____    None <input checked="" type="checkbox"/>
	Livestock _____    None <input checked="" type="checkbox"/>	Occupied Building <u>3400</u> None <input type="checkbox"/>
Additional Spill Details Not Provided Above:		

A weld on a surface HDPE frac water supply line failed. This allowed frac water to flow out onto the ground surface and migrate along the access road bar ditch and into a storm water catchment basin. When the release was discovered, water management personnel halted the water transfer and drained the line to prevent any further fluid loss. The compromised weld was removed and replaced with a new section of pipe. A majority of the release infiltrated into the access road bar ditch due to the dry soil conditions. The remaining volume of fluids lost were contained within the stormwater catchment basin located approximately 376 feet to the south of the Cottonwood tank farm. The impacted soils at the point of origin and two locations along the access road bar ditch were sampled for the entire Table 910-1 analytical suite. Stormwater that was accumulated in the catchment basin was sampled for 910-1. Results were below Table 910-1 standards with the exception of benzo(a)pyrene at the midpoint and terminus of the access road bar ditch and SAR at all three sample locations. The areas exceeding table 910-1 standards for benzo(a)pyrene will be resampled when the soils have had a chance to dry out. Any additional remedial actions, if warranted, will be based on these results. The lease road is sprayed with magnesium chloride solution for dust suppression which results in elevated salt concentrations in the road bar ditch and the stormwater catchment basin. It may not be possible or practical to remediate salt concentrations to 910-1 standards or background. The water analytical results collected from the stormwater catchment basin exhibited very low concentrations of hydrocarbons that do not exceed any regulatory standards. However, approximately 80 barrels of stormwater fluid was recovered from the basin.

## CORRECTIVE ACTIONS

#1	Supplemental Report Date:	12/08/2014		
Cause of Spill (Check all that apply)		<input type="checkbox"/> Human Error	<input checked="" type="checkbox"/> Equipment Failure	<input type="checkbox"/> Historical-Unknown
		<input type="checkbox"/> Other (specify) _____		
Describe Incident & Root Cause (include specific equipment and point of failure)				
A weld on a surface HDPE frac water supply line failed. This allowed frac water to flow out onto the ground surface and migrate along the access road bar ditch and into a storm water catchment basin.				
Describe measures taken to prevent the problem(s) from reoccurring:				
The frac water supply lines are pressure tested to 120% of anticipated maximum working pressure prior to operations. All lines are monitored per service provider's BMPs/SOPs, including walking the lines and visual inspection for leaks. WPX SOPs were followed in this case and this incident reinforced the importance of implementing both pre-startup SOPs as well as operational SOPs once work begins.				
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): _____				
Volume of Impacted Surface Water Removed (bbls): _____				

## 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: \_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: Karolina Blaney

Title: Environmental Specialist Date: 12/08/2014 Email: karolina.blaney@wpxenergy.com

## Attachment Check List

Att Doc Num	Name
400747876	AERIAL PHOTOGRAPH

Total Attach: 1 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)