

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:

400625112

Date Received:

06/12/2014

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.

Spill report taken by:  
FISCHER, ALEX

Spill/Release Point ID:  
437481

OPERATOR INFORMATION

Name of Operator: <u>WPX ENERGY ROCKY MOUNTAIN LLC</u> OGCC 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> Zip: <u>80202</u>	Mobile: <u>(970) 2859573</u>
Contact Person: <u>Karolina Blaney</u>	Email: <u>karolina.blaney@wpxenergy.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Report Date: 06/05/2014 Date of Discovery: 06/05/2014 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESW SEC 2 TWP 7S RNG 95W MERIDIAN 6

Latitude: 39.464981 Longitude: -107.969270

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

Reference Location:

Facility Type: WELL  Well API No. (if the reference facility is well) 05-045-22139

Facility ID (if not a well) \_\_\_\_\_

No Existing Facility ID

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

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): 0

Estimated Drilling Fluid Spill Volume(bbl): >=20 and <50

Specify: \_\_\_\_\_

Land Use:

Current Land Use: CROP LAND Other(Specify): \_\_\_\_\_

Weather Condition: hot, dry, sunny

Surface Owner: FEE Other(Specify): WPX is the surface owner

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

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

The completions department was drilling the first plug on the PA 514-2 well (API # 05-045-22139) after hydraulic fracturing operations were completed when a casing valve washed out resulting in loss of well control. The gas pressure was releasing through the washed out valve. 82 bbls of drilling mud was pumped downhole in order to kill the well so that the compromised valve could be replaced. The well's high pressure caused drilling mud to mist out of the casing valve for approximately 1.5 hrs during this operation before the well was killed and brought under control. The total volume of mud released is unknown at this time but is estimated to be less than 50 bbls. The vast majority of the released mud was contained within the pad perimeter, though a small portion misted on adjacent vegetation.

COGCC Comment Only:

List Agencies and Other Parties Notified:

### OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
6/5/2014	COGCC	Dave Andrews	970-6252497	Phone call
6/5/2014	COGCC	Alex Fischer	303-8942100	Phone call
6/5/2014	COGCC	Stan Spencer	970-6252497	initial Form 19
6/5/2014	County	Kirby Wynn	970-625-5905	Email
6/5/2014	Town/City Officials	Steve Rippy	970-285-9050	Email
6/5/2014	Town/City Officials	Roger Bulla	970-285-7000	Email
6/5/2014	Town/City Officials	Stuart McArthur	970-285-7630	Email
6/5/2014	County	Morgan Hill	970-625-5200	Email
6/5/2014	Fire Department	David Blair	970-285-9119	Email
6/5/2014	Water Intake	Mark King	970-285-7630	Email

### SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date:	06/12/2014		
<b>FLUIDS</b>	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	30	25	<input type="checkbox"/>	
FLOW BACK FLUID	0	0	<input type="checkbox"/>	
OTHER E&P WASTE	0	0	<input type="checkbox"/>	
specify: _____				
Was spill/release completely contained within berms or secondary containment?			NO	Was an Emergency Pit constructed?
			NO	NO
<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): 290

Width of Impact (feet): 117

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

Depth of Impact (inches BGS): 0

How was extent determined?

By field measurements and mapping with a Trimble GPS unit.

Soil/Geology Description:

Potts loam - Loam to clay loam

Depth to Groundwater (feet BGS) 100

Number Water Wells within 1/2 mile radius: 9

If less than 1 mile, distance in feet to nearest Water Well 717 None  Surface Water 2960 None

Wetlands \_\_\_\_\_ None  Springs \_\_\_\_\_ None

Livestock \_\_\_\_\_ None  Occupied Building 976 None

Additional Spill Details Not Provided Above:

On June 5th, 2014 at approximately 9:00 AM a snubbing unit crew was drilling out a kill plug on the PA 514-2 well. While drilling out the plug, the crew experienced an unexpected release of pressure due to a damaged/malfunctioning casing valve. Both the flow testers and the snubbing unit operator had checked the valve to ensure it was closed before drilling the kill plug. Both parties involved seemed to be under the impression the valve was properly closed and continued operations assuming the valve was in fact closed. Upon drilling the kill plug, it was determined that the valve was not completely closed resulting in a loss of well control. Attempts were made to regain control of the well and shut in the well. However with the casing valve not working properly, they were unable to regain control of the well. At this point the rig crew assisted the snubbing unit crew in attaching a mud line from the rig to the well in order to pump mud down hole in an attempt to kill the well. After the mud line was connected, WPX personnel took over the operation and pumped approximately 82 barrels of mud down hole to kill the well. During the process, some of the mud sprayed back out of the well onto the well pad. A majority of the drilling mud was contained to the pad surface and only a smaller amount misted the adjacent field. 25 bbls of mud mixed with rigwash was recovered. Three samples from the adjacent field were collected and has been submitted to an accredited laboratory and is being analyzed for the entire Table 910-1 analytical suite. The pad surface will be re-sampled once the pad dries out or when the drilling activities are completed. Further remedial actions, if warranted, will be based on these results. The mud that misted the cuttings management area will be sampled at the same time as the cuttings.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 06/12/2014

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)

On June 5th, 2014 at approximately 9:00 AM a snubbing unit crew was drilling out a kill plug on the PA 514-2 well. While drilling out the plug, the crew experienced an unexpected release of pressure due to a damaged/malfunctioning casing valve. Both the flow testers and the snubbing unit operator had checked the valve to ensure it was closed before drilling the kill plug. Both parties involved seemed to be under the impression the valve was properly closed and continued operations assuming the valve was in fact closed. Upon drilling the kill plug, it was determined that the valve was not completely closed resulting in a loss of well control. Attempts were made to regain control of the well and shut in the well. However with the casing valve not working properly, they were unable to regain control of the well.

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

Prior to performing any procedures on a live well, all active valves will be inspected and verified to be in good working order and functioning properly to ensure they will perform as designed. If a valve is found to be defective in any way, it will be brought to the attention of the WPX company representative on location immediately. No work will be performed if there is any question as to the integrity/functionality of a valve.

Volume of Soil Excavated (cubic yards): \_\_\_\_\_

Disposition of Excavated Soil (attach documentation)  Offsite Disposal  Onsite Treatment  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 Number: \_\_\_\_\_

COGCC Comment:

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: 06/12/2014 Email: karolina.blaney@wpenergy.com

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400625121	SITE MAP

Total Attach: 1 Files

### General Comments

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

Total: 0 comment(s)