

**State of Colorado**  
**Oil and Gas Conservation Commission**

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 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400988208

Date Received:

02/12/2016

Spill report taken by:

Kosola, Jason

Spill/Release Point ID:

444704

## 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>PIONEER NATURAL RESOURCES USA INC</u>	Operator No: <u>10084</u>	<b>Phone Numbers</b>
Address: <u>5205 N O'CONNOR BLVD STE 200</u>		Phone: <u>(719) 846-7898</u>
City: <u>IRVING</u>	State: <u>TX</u>	Zip: <u>75039</u>
Contact Person: <u>James Roybal</u>		Mobile: <u>( )</u>
		Email: <u>james.roybal@pxd.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400984560

Initial Report Date: 02/05/2016      Date of Discovery: 02/02/2016      Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NENW SEC 26 TWP 33S RNG 67W MERIDIAN 6Latitude: 37.147830 Longitude: -104.859980Municipality (if within municipal boundaries): \_\_\_\_\_ County: LAS ANIMAS

#### Reference Location:

Facility Type: WATER GATHERING SYSTEM/LINE ☒ Facility/Location ID No 427440☐ 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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=100Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

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

#### Land Use:

Current Land Use: NON-CROP LAND Other(Specify): \_\_\_\_\_Weather Condition: Very Cold -1 degreesSurface 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

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

Well went down in sub zero temperatures. Water gathering line froze and expanded causing the 2in valve to separate. Gathering water then released and caused a spill of approximately 750bbls of produced water. The spill did enter Waters of the State with live water. The leak was isolated. A call was made to CDPHE hotline. Our envirematl consultants were on site shortly after and collected water samples of the spill at live water and up and down stream samples.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
2/4/2016	COGCC	Jason Kosola	-	email
2/4/2016	LACOG	Bob Lucero	-	email
2/4/2016	CDPHE	Ann Nedro	-	Spill Hotline
2/4/2016	Landowner	Pioneer Nat. Res.	-	Person

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 02/12/2016		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	750	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: _____			
Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
<i>Secondary containment, including walls &amp; floor regardless of construction material, 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): 975		Width of Impact (feet): 2	
Depth of Impact (feet BGS): 0		Depth of Impact (inches BGS): _____	
How was extent determined?			
GPS and visual inspection			
Soil/Geology Description:			
From the NRCS soil survey map: Lorencito=Sarcillo- Trujillo Complex			
Depth to Groundwater (feet BGS) 10		Number Water Wells within 1/2 mile radius: 0	
If less than 1 mile, distance in feet to nearest		Water Well 3400 None <input type="checkbox"/>	Surface Water 275 None <input type="checkbox"/>
		Wetlands 275 None <input type="checkbox"/>	Springs 3730 None <input type="checkbox"/>
		Livestock _____ None <input checked="" type="checkbox"/>	Occupied Building 3500 None <input type="checkbox"/>
Additional Spill Details Not Provided Above:			

The valve that broke was replaced temporarily with the same type of valve. This valve will be switched out with a freeze resistant valve when we receive them from order. The well has been put back to production and is producing to the production pit with the gathering line isolated from the well head, to prevent freeze from re-occurring until the valve can be replaced.

## CORRECTIVE ACTIONS

#1	Supplemental Report Date: 02/12/2016
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) Sub Zero temperatures	
Describe Incident & Root Cause (include specific equipment and point of failure)	
Freeze occurred in sub zero temperatures on the fuel source causing the skid to go down. this allowed water to freeze in the above ground gathering line at the well head and splitting the valve.	
Describe measures taken to prevent the problem(s) from reoccurring:	
The valve will be replaced with a freeze resistant model	
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: \_\_\_\_\_

## 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: James Roybal

Title: Enviromental Supervisor Date: 02/12/2016 Email: james.roybal@pxd.com

## COA Type

## Description

Based on review of information presented it appears that no further action is necessary at this time. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.

## Attachment Check List

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
2099837	SAMPLE LOCATION MAP
2099840	ANALYTICAL RESULTS
2099841	ANALYTICAL RESULTS
2099844	SAMPLE LOCATION MAP AERIAL
2099845	Table 910-1
2099849	TABLE 910-1
400988208	FORM 19 SUBMITTED

Total Attach: 7 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Environmental	Attached sample location map.	3/9/2016 3:10:21 PM
Environmental	Requested new sample location map.	3/9/2016 9:02:13 AM
Environmental	Added analytical results.	3/9/2016 7:44:52 AM
Environmental	Pending analytical results.	2/12/2016 10:10:09 AM

Total: 4 comment(s)