



Form 19 # 2221390

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FORM  
4  
Rev 12/05State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



RECEIVED

NOV 28 2012

COGCC

Complete the Alteration  
Checklist

OP OGCC

Location ID #

OK ✓

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 10079	4. Contact Name: Cole Kilstrom
2. Name of Operator: Antero Resources Piceance Corporation	Phone: 303-357-6709
3. Address: 1625 17th St STE 300 ATTN: Cole Kilstrom	Fax: 303-357-7315
City: Denver State: CO Zip: 80202	
5. API Number: 05- N/A	OGCC Facility ID Number: 421197
6. Well/Facility Name: Hunter Mesa Compressor	7. Well/Facility Number: N/A
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): Lot 3 30 6S 92W 6	
9. County: Garfield	10. Field Name: Breeze Basin
11. Federal, Indian or State Lease Number:	

Survey Plat	
Directional Survey	
Surface Exptl Diagram	
Technical Info Page	X
Other	

## General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No
	Distance to nearest well same formation
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOP Reading
	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation	Formation Code
Spacing order number	Unit Acreage
Unit configuration	Signed surface use agreement attached
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME
Effective Date:	From:
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To:
	Effective Date:
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT
<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK	
Method used	Cementing tool setting/perf depth
Cement volume	Cement top
Cement bottom	Date
Final reclamation will commence on approximately	
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.	

## Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done
Approximate Start Date:	Date Work Completed:
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)	
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other:
<input type="checkbox"/> E&P Waste Disposal	
<input type="checkbox"/> Beneficial Reuse of E&P Waste	
<input checked="" type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

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

Signed: Cole KilstromDate: 11/19/2012 Email: ckilstrom@anteroresources.comPrint Name: Cole KilstromTitle: ENV SpecialistCOGCC Approved: [Signature]Title: Env. Sup.Date: 12/14/12

CONDITIONS OF APPROVAL, IF ANY:

See attached comments

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 10079 API Number: 05-045-N/A
2. Name of Operator: Antero Resources Piceance Corp. OGCC Facility ID # 421197
3. Well/Facility Name: Hunter Mesa Compressor Well/Facility Number: N/A
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): Lot 3 30 6S 92W 6

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Summary of Corrective Actions and Request for Spill Report Closure:

On November 22, 2011, there was a spill of approximately 40 bbls produced water resulting from human error while Antero was testing the slug catcher ESD valve, at Antero's Hunter Mesa Compressor Station in Garfield County. The spill was contained within the lined, corrugated steel containment surrounding the storage tank. The following day, the containment area was cleaned using hot water.

The COGCC Form 19 Doc. # 2221390 stated that Antero would further clean the containment area in the spring months, if necessary; following subsequent inspection of the containment area it was determined that no additional cleaning was necessary.

Because Antero has performed the corrective actions required by the Form 19, Antero respectfully requests final COGCC closure of Spill Report # 2221390 in accordance with COGCC Rule 909(e). ✓

COA :

Based on review of data presented, it appears that no further action is necessary at this time at this site. However, should future conditions at the site be discovered of contaminant concentrations in soils exceeding COGCC standards or if groundwater is found to be significantly impacted, COGCC may require that further investigation and/or remediation be conducted. ¶

## **PRIOR HISTORY**

# State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



FOR OGCC USE ONLY

Received  
12/2/2011  
Rifle COGCC

## SPILL/RELEASE REPORT

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:

FACILITY ID:

## OPERATOR INFORMATION

Name of Operator: Antero Resources Pipeline Corporation OGCC Operator No: 10210Address: 1625 17th StreetCity: Denver State: CO Zip: 80202Contact Person: Gerard G. Alberts

Phone Numbers

No: 303-357-7341Fax: 303-357-7315E-Mail: j.alberts@anteroresources.com

## DESCRIPTION OF SPILL OR RELEASE

Date of Incident: 11/22/2011 Facility Name & No.: Hunter Mesa Compressor Station #421197Type of Facility (well, tank battery, flow line, pit): Storage tank at Compressor StationWell Name and Number: N/AAPI Number: N/ACounty: Garfield CountyQtrQtr: SESW Section: 30Township: 6S Range: 92WMeridian: 6th

Specify volume spilled and recovered (in bbls) for the following materials:

Oil spilled: 35 Oil recov'd: 35 Water spilled: 5 Water recov'd: 5 Other spilled: \_\_\_\_\_ Other recov'd: \_\_\_\_\_Ground Water impacted? ☐ Yes ☒ NoSurface Water impacted? ☐ Yes ☒ NoContained within berm? ☒ Yes ☐ NoArea and vertical extent of spill: Estimated ~707 sq ft x \_\_\_\_\_Current land use: Agriculture/pastureWeather conditions: Clear, 50 hi/29 loSoil/geology description: Potts loam, 3 to 6 percent slopesIF LESS THAN A MILE, report distance IN FEET to nearest.... Surface water: 262.6 wetlands: 3715.93 buildings: \_\_\_\_\_Livestock: \_\_\_\_\_ water wells: 4762.9 Depth to shallowest ground water: 70Cause of spill (e.g., equipment failure, human error, etc.): human error

Detailed description of the spill/release incident:

During a function test of Antero's slug catcher ESD valve, the main by-pass manual valve was partially opened in order to resume normal operations in a timely manner. As a result, there was liquid carryover to the plant resulting in a spill of produced water from the plant's produced liquid storage tank. The spill was contained within the lined, corrugated steel containment surrounding the storage tank. A vacuum truck was immediately called and recovered 40 bbls of produced water including cleaning water. The following day the rock and containment was cleaned with hot water to flush the oil to the surface for collection and disposal.

## CORRECTIVE ACTION

Describe immediate response (how stopped, contained and recovered):

Vacuum truck arrived within an hour to remove freestanding liquids within the secondary containment. The rock and containment was cleaned with hot water November 23, 2011.

Describe any emergency pits constructed:

N/A

How was the extent of contamination determined:

Extent of contamination was determined by secondary containment surrounding the storage tank.

Further remediation activities proposed (attach separate sheet if needed):

Containment will be further cleaned if deemed necessary in the spring months.

Describe measures taken to prevent problem from reoccurring:

Kahuna will review the design of the existing slug catcher to ensure integrity.

## OTHER NOTIFICATIONS

List the parties and agencies notified (County, BLM, EPA, DOT, Local Emergency Planning Coordinator or other).

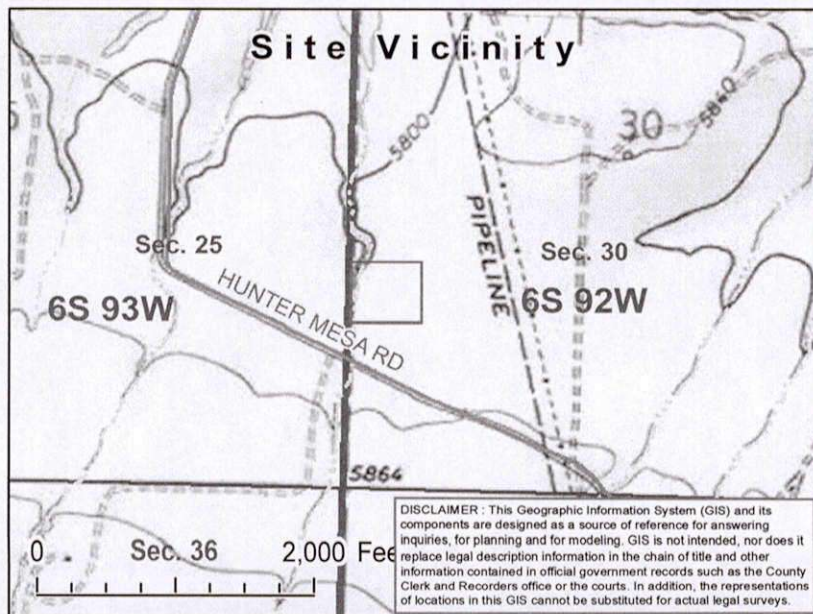
Date	Agency	Contact	Phone	Response
11/23/2011	CDPHE/COGCC	Emergency Spill/ Release Hotline	1-877-518-5608	Provided details of the spill; received spill tracking CDPHE #2011- 0840

Spill/Release Tracking No: 2221390



Estimated Affected Area  
~707 Sq. Ft.

Sec. 30



Attachment A--Spill Location Map  
Location: **Hunter Mesa Compressor Station**  
*Antero Resources Piceance Corp.*

**Legend**

- Affected Area
- Tank
- Public Roads
- Hydrographic Features**
  - Perennial Stream
  - Intermittent Stream
- PLSS**
  - Township
  - Section



0 25 50 Feet

