

FORM
4
Rev 12/05

State of Colorado

Oil and Gas Conservation Commis

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



02577505



SUNDRY NOTICE

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.)

RECEIVED

NOV 12 2010

COGCC/Rifle Office

Complete the Attachment
Checklist

OP OGCC

1. OGCC Operator Number: 10079	4. Contact Name
2. Name of Operator: Antero Resources Piceance Corporation	Hannah Knopping
3. Address: 1625 17th Street	Phone: (303) 357-6412
City: Denver State: CO Zip: 80202	Fax: (303) 357-7315
5. API Number 05- 045-19924-00	OGCC Facility ID Number
6. Well/Facility Name: Diemoz	7. Well/Facility Number A3
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NWSW, Section 36, T5S, R92W, 6th P.M.	
9. County: Garfield	10. Field Name: Wildcat
11. Federal, Indian or State Lease Number:	

Survey Plat	
Directional Survey	
Surface Eqpm 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:	<table><tr><td></td><td>FNL/FSL</td><td></td><td>FEL/FWL</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>		FNL/FSL		FEL/FWL				
	FNL/FSL		FEL/FWL						
Change of Surface Footage to Exterior Section Lines:	<table><tr><td></td><td></td><td></td><td></td></tr></table>								
Change of Bottomhole Footage from Exterior Section Lines:	<table><tr><td></td><td></td><td></td><td></td></tr></table>								
Change of Bottomhole Footage to Exterior Section Lines:	<table><tr><td></td><td></td><td></td><td></td></tr></table> attach directional survey								
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer									
Latitude	Distance to nearest property line	Distance to nearest bldg, public rd, utility or RR							
Longitude	Distance to nearest lease line	Is location in a High Density Area (rule 603b)?	Yes/No						
Ground Elevation	Distance to nearest well same formation	Surface owner consultation date:							

GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

☐ CHANGE SPACING UNIT

Formation	Formation Code	Spacing order number	Unit Acreage	Unit configuration

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):

Effective Date:

Plugging Bond: ☐ Blanket ☐ Individual☐ CHANGE WELL NAME

NUMBER

From:

To:

Effective Date:

☐ ABANDONED LOCATION:Was location ever built? ☐ Yes ☐ NoIs site ready for inspection? ☐ Yes ☐ No

Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS

Date well shut in or temporarily abandoned:

Has Production Equipment been removed from site? ☐ Yes ☐ No

MIT required if shut in longer than two years. Date of last MIT

☐ SPUD DATE:☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)☐ SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK

*submit cbl and cement job summaries

Method used	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom	Date

☐ RECLAMATION:

Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately

☐ Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

☒ Notice of Intent

Approximate Start Date: as soon as approved

☐ Report of Work Done

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"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Maintain bradenhead <150psi 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:

Date: 11/12/2010

Email: hknopping@anteroresources.com

Print Name: Hannah Knopping

Title: Permit Representative

COGCC Approved:

Title:

EIT III

Date: DEC 21 2010

CONDITIONS OF APPROVAL, IF ANY:

During this 90-day venting period, collect a production gas sample and a gas sample from the production casing - surface casing annulus. Analyze both gas samples for composition (C1 through C12) and stable isotopes of methane, ethane, and propane (Isotech Laboratories NG-2 analysis or similar). Submit analytical results on a Form 4 (Sundry Notice) to the attention of Kevin King

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

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OGCC/Rifle Office

1. OGCC Operator Number: 10079 API Number: 05-045-19924-00
2. Name of Operator: Antero Resources Piceance Corp OGCC Facility ID #
3. Well/Facility Name: Diemoz Well/Facility Number: A3
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW, Section 36, T5S, R92W, 6th P.M.

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**

Per the Mamm Creek NTO, Antero Resources Corporation notified COGCC engineer, Kevin King, on 11/9/2010 via email that bradenhead pressures of the Diemoz A3 had exceeded 150 psi during our extended monitoring period. Both the CBL and temperature log indicate good zonal isolation and cement coverage from TD to 2400'. Given this, it is believed that the source of the elevated bradenhead pressure is likely shallow Wasatch gas.

Antero requests approval of the following plan to address this issue in the near term:

- 1) Continue monitoring the bradenhead pressure daily and maintain the pressure below 150 psi until well completion. Antero plans to complete this well within the next 30-45 days.
- 2) Run a high resolution bond log to further confirm that no cement remediation needs to be performed prior to well completion. A copy of this log will be submitted with the RTC sundry.
- 3) Collect a gas sample from the production casing-surface casing annulus (bradenhead gas) and analyze the gas sample for composition and stable isotopes of methane, ethane and propane.

Bradenhead Pressures:

The 72 hour build-up bradenhead pressure was 253 psi. The highest observed pressure was 325 psi, prior to managing pressure below 150 psi by bleeding off.

Attachments:

- 1) Cement Bond Log
- 2) 1-Page Temperature Log