

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)994-2100 Fax: (303)994-2109

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.)

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	Fax:	(303) 357-7315
State:	CO	Zip:	80202
5. API Number	05-045-13223-00	OGCC Facility ID Number	
6. Well/Facility Name:	Valley Farms	7. Well/Facility Number	E9
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian):	SENE, Section 15, T6S, R92W, 6th P.M.	Directional Survey	
9. County:	Garfield	Surface Eqmpt Diagram	
10. Field Name:	Mamm Creek	Technical Info Page	X
11. Federal, Indian or State Lease Number:		Other wellbore diag.	X

Complete the Attachment
Checklist

OP OGCC

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:	FNL/FSL	
Change of Surface Footage to Exterior Section Lines:		
Change of Bottomhole Footage from Exterior Section Lines:		
Change of Bottomhole Footage to Exterior Section Lines:		
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer		
Latitude		
Longitude		
Ground Elevation		
Distance to nearest property line		Distance to nearest bldg, public rd, utility or RR
Distance to nearest lease line		Is location in a High Density Area (rule 603b)?
Distance to nearest well same formation		Surface owner consultation date: Yes/No
GPS DATA:		
Date of Measurement	PDOP Reading	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	Formation Code	Spacing order number
Formation		Unit Acreage
		Unit configuration
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):		
Effective Date:	<input type="checkbox"/> CHANGE WELL NAME	NUMBER
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	From:	To:
	Effective Date:	
<input type="checkbox"/> ABANDONED LOCATION:		
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS	
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:	
Date Ready for inspection:	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	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
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.		
Final reclamation will commence on approximately	<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.	

Technical Engineering/Environmental Notice

<input checked="" type="checkbox"/> Notice of Intent	Approximate Start Date: October 2010	<input type="checkbox"/> 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: Cement Remediation	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: 9/22/2010

Print Name:

Hannah Knopping

Title: Permit Representative

Email: hknopping@anteroresources.com

OGCC Approved:



Title:

EIT-3

Date:

9/30/2010

CONDITIONS OF APPROVAL, IF ANY:



02054506

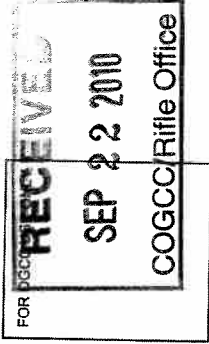


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SEP 22 2010

COGCC/Rifle Office

TECHNICAL INFORMATION PAGE



1. OGCC Operator Number: 10079 API Number: 05-045-13223-00
2. Name of Operator: Antero Resources Piceance Corp. OGCC Facility ID #
3. Well/Facility Name: Valley Farms Well/Facility Number: E9
4. Location (CtrQtr, Sec, Twp, Rng, Meridian): SENE, Section 15, T6S, 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

Antero Resources requests approval of the following cement remediation procedure to get top of cement >500' above top of gas.

Historical Information: A foam cement job was originally performed on this well and Antero was given approval to complete the well based on Schlumberger's (SLB) indication that top of cement from USIT log was 5070'. However, during COGCC's review of the logs and completion report information, the TOC depth came into question. At that time, Antero requested a written interpretation of the USIT log from SLB concerning top of cement. Schlumberger did provide us with a written interpretation of the USIT log and a copy was provided to your office, however the report was inconclusive with respect to determining top of cement. In our latest correspondence with your office, Antero agreed to run a high resolution bond log to determine the actual top of cement, since previous logs and interpretations were unclear. The high resolution bond shows top of cement at 6280'.

- 1) ND wellhead, NU BOPE and test. RU W/O rig.
- 2) RU wireline. Perforate three (3) squeeze holes @ 5,600'
- 3) PU 2-3/8" tubing and TIH to 5,650'. Spot 100 gallons of 7-1/2% acid across perforations (from 5,550 - 5,650'). TOOH.
- 4) PU cement retainer and TIH on 2-3/8" tubing. Set retainer @ 5,550'.
- 5) RU Halliburton cement equipment.
- 6) Establish circulation up 4-1/2" x 7" annulus.
 - a. When establishing circulation, ease into pressure and rate.
 - b. If/when circulation is established, do not stop. Be prepared to pump cement.
- 7) Pump remedial cement job as follows.
 - a. 5 bbl water spacer
 - b. 60 sks of 50/50 Poz Premium. Density is 13 lb/gal, Yield is 1.58 ft³/sk.
 - c. 22 bbl displacement.
- 8) Notes: Cement volume is sufficient to bring cement up to 1000' above top of gas (4,623').
- 9) Release from cement retainer and reverse circulate to clean tubing. Hold 2000 psi pressure on well overnight.
- 10) TOOH w/ 2-3/8" tubing.
- 11) RU wireline. Run CBL from retainer to ensure cement quality uphole. Report results to COGCC prior to proceeding.

If additional cement work is required for adequate cement isolation, a procedure will follow. Otherwise, continue as follows:

- 11) PU bit and TIH on 2-3/8" tubing. Drill-out cement retainer @ 5,550' and cement to below squeeze holes @ 5,600'.
- 12) Pressure test squeeze holes (@ 5,600') to 1,000 psi.
- 13) Continue in hole to top of RBP (@ 6,545'). TOOH.
- 14) PU RBP retrieving tool and TIH to RBP @ 6,545'. Release RBP and TOOH w/ tubing to snubbing depth.
- 15) Snub out of hole with remainder of tubing and RBP. LD retrieving tool and RBP.
- 16) TIH w/ tubing to previous landing depth of 6,982'. Hang off tubing.
 - a. Run aluminum Krowse plug in place
 - b. Run X nipple one joint up from bottom
- 17) RD WO rig. ND BOP. NU wellhead. Return well to sales.

Attachments:

- 1) Current Wellbore Diagram
- 2) High Resolution Bond log (.las files uploaded; hard copy sent to Denver Office)

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SEP 22 2010

COGCC/Rifle Office

Wellbore Diagram
(Current 9/21/10)

Elev. GL: 5,605'
KB: 5,623'

Spud: 10/3/2008
TD: 11/10/2008
Completion: 12/15/2008

13-3/8", 54.5#, J-55, ST&C
Set @ 596' w/ 475 sx (to surface)

9-5/8", 53.5#, P-110, LT&C
Set @ 2669' w/ 1178 sx (to surface)

7", 23#, N-80, LT&C
Set @ 4506' w/ 825 sx (to 2000' FS)

Top of Gas at 5,623'

Top of Cement at 6,280'

Cameo perforations (12/14/08) - (24 holes, 3 spf, 120	
6560-61, 6691-92, 6834-35, 6879-80, 6886-87, 6714-16, 6759-60	
Fract'd w/ 4,852 bw & 99K lbs 30/50 sand @ 58.0 bpm	
Cameo perforations (12/14/08) - (24 holes, 3 spf, 120	
6791-92, 6800-01, 6812-13, 6843-44, 6859-70, 6889-90, 6910-11, 6927-	
Fract'd w/ 6,153 bw & 159K lbs 30/50 sand @ 60.0 bpm	
Cameo perforations (12/13/08) - (27 holes, 3 spf, 120	
6958-59, 6979-80, 6987-88, 7010-11, 7037-38, 7049-50, 7072-73, 7123-7145-46	
Fract'd w/ 9,349 bw & 247K lbs 30/50 sand @ 61.0 bpm	
Cameo perforations (12/13/08) - (30 holes, 3 spf, 120	
7219-20, 7246-47, 7260-61, 7285-86, 7330-31, 7348-49, 7372-74, 7415-	
Fract'd w/ 6,590 bw & 224K lbs 30/50 sand @ 61.0 bpm	
Cozzette perforations (12/12/08) - (24 holes, 3 spf, 12	
7993-95, 8048-50, 8066-68, 8090-92	
Fract'd w/ 4,820 bw & 113K lbs 30/50 sand @ 60.0 bpm	
Corcoran perforations (12/12/08) - (24 holes, 3 spf, 12	
8218-19, 8235-36, 8249-50, 8279-80, 8330-32, 8371-73	
Fract'd w/ 6,645 bw & 169K lbs 30/50 sand @ 60.0 bpm	
Mancos perforations (12/11/08) - (33 holes, 3 spf, 12	
8518-19, 8554-55, 8589-90, 8625-27, 8661-63, 8696-98, 8710-12	
Fract'd w/ 6,959 bw & 245K lbs 30/50 sand @ 61.0 bpm	
Mancos perforations (12/11/08) - (33 holes, 3 spf, 12	
8765-68, 8805-06, 8841-42, 8878-80, 8914-16, 8950-52, 8987-89	
Fract'd w/ 7,888 bw & K lbs 20/40 sand @ 60.0 bpm	

TUBING
none in hole at this time

RBP set @ 6,545' (8-17-10)

Tag fill @ 7,932' (8-16-10)
CIBP set @ 7,950' (11-7-09)
CIBP set @ 8,450' (11-7-09)

Tagged @ 9,010' w/ ra tracer (12-25-08)
PBTD: 9,053' (initial cleanout)

TD 9,172' (driller's depth)

4-1/2", 15.1#, P-110, LT&C
Cement w/ 370 sx foam cement
Float @ 9,053' (driller's depth)
Shoe @ 9,085' (driller's depth)

Antero Resources Corporation
Valley Farms Eg

API: 05045132230000

MJK, 9/21/10