Page 1

FORM 4 Rev 12/05

02055113

'ado Commission

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

DE DA | ET | OE | ES DA

RECEIVED
MAY 06 2011
COGCC

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
2. Name of Operator: Antero Resources Piceance Corporation
3. Address: 1625 17th Street
City: Denver State: CO Zip: 80202

4. Contact Name: Hannah Knopping
Phone: (303) 357-6412
Fax: (303) 357-7315

Complete the Attachment Checklist

	OP	OGCC
Survey Plat		
Directional Survey		
Surface Eqpmt Diagram		
Technical Info Page	X	
Other		

5. API Number 05- 045-13926-00 OGCC Facility ID Number
6. Well/Facility Name: Gentry 7. Well/Facility Number E4
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): SESW, Section 17, T6S, R92W, 6th P.M.
9. County: Garfield 10. Field Name: Mamm Creek
11. Federal, Indian or State Lease Number:

General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

	FNL/FSL		FEL/FWL	
Change of **Surface** Footage **from** Exterior Section Lines:				
Change of **Surface** Footage **to** Exterior Section Lines:				
Change of **Bottomhole** Footage **from** Exterior Section Lines:				
Change of **Bottomhole** Footage **to** Exterior Section Lines:				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 ☐ No
Is 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: 5/7/2011

☐ Report of Work Done
Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)	☐ Request to Vent or Flare	☐ E&P Waste Disposal
☐ Change Drilling Plans	☒ Repair Well	☐ Beneficial Reuse of E&P Waste
☐ Gross Interval Changed?	☐ Rule 502 variance requested	☐ Status Update/Change of Remediation Plans for Spills and Releases
☐ Casing/Cementing Program Change	☐ Other:	

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

Signed: Hannah Knopping Date: 5/6/2011 Email: hknopping@anteroresources.com

Print Name: Hannah Knopping Title: Permit Representative

COGCC Approved: David Title: PE II Date: 5/12/2011

CONDITIONS OF APPROVAL, IF ANY:

Submit Form 5 showing new post-remediation wellbore configuration, cement tickets, and CBL after the work is complete, as required by Rule 308A.

FORM 4 Rev 12/05

TECHNICAL INFORMATION PAGE

STATE OF COLORADO OIL & GAS

FOR OGCC USE ONLY
RECEIVED
MAY 06 2011
COGCC

1. OGCC Operator Number: 10079 API Number: 05-045-13926-00
2. Name of Operator: Antero Resources Piceance Corp OGCC Facility ID #
3. Well/Facility Name: Gentry Well/Facility Number: E4
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SESW, Section 17, 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 is submitting a remediation plan for the Gentry E4. Based on a caliper survey that was run on May 6, 2011, there is a casing part at 1,240' (not a hole, as previously suspected). Based on this new information, Antero is planning to pull 1,240' of 5-1/2" casing from the well, and to replace it with new 5-1/2" casing. A 5K external casing patch will be run to latch onto the existing casing string. This patch will be tested to 2000 psi. Following this step, Antero will then address the hole in casing @ 2,470' by pumping a remedial cement job of sufficient volume to bring top of cement above the patch to ~1,000' from surface (100' below surface shoe). The following general procedure will be followed:

1) ND wellhead, NU BOPE and test. RU WO rig.
2) PU 5-1/2" RBP. TIH on 2-3/8" tubing and set @ 1,500'. Dump 2 sx sand on top. TOOH.
3) Unland 5-1/2" casing from b-section and pull 1,240' casing.
4) RIH w/ mill on 2-7/8" workstring and dress fish top. TOOH and LD 2-7/8" workstring.
5) PU 5K external casing patch and TIH on new 5-1/2", 17#, P-110 casing.
6) Latch onto existing 5-1/2" casing and pull tension. Hang off in b-section.
7) Pressure test patch to 2,500 psi.
8) PU RBP retrieving tool and TIH to RBP @ 1,500'. Release RBP and TOOH w/ tubing. LD retrieving tool and RBP.
9) PU cement retainer and TIH on 2-3/8" tubing. Set retainer @ ~2,425'.
10) RU Halliburton cement equipment.
11) Establish circulation up 5-1/2" x 8-5/8" annulus
12) Pump remedial cement job as follows.
    a. 5 bbl water spacer
    b. 164 sks of 50/50 Poz Premium. Density is 13 lb/gal , Yield is 1.58 ft3/sk.
    c. 9.4 bbl displacement.
    Notes: Cement volume is sufficient to bring cement up to 1,000' from surface (~100' below surface shoe).
13) Release from cement retainer and reverse circulate to clean tubing.
14) TOOH w/ 2-3/8" tubing.
15) PU bit and TIH on 2-3/8" tubing. Drill-out cement retainer @ 2,425' and cement to below squeeze @ 2,470'.
16) Pressure test squeeze (@ 2,470') to 1,000 psi.
17) Continue in hole to top of RBP (@ 5,150'). TOOH.
18) RU wireline. Run CBL from 3,000' to 300' above top of cement.
    If additional cement work is required, consult with COGCC. Otherwise, proceed as follows:
19) PU RBP retrieving tool and TIH to RBP @ 5,150'. Release RBP and TOOH w/ tubing. LD retrieving tool and RBP.
20) Commence procedure to fish stuck tubing from wellbore.

Antero will comply with Rule 341 with respect to bradenhead monitoring. Also, Antero will submit a subsequent Form 4 Sundry Notice and updated Form 5 Drilling Completion Report detailing cement squeeze information after the work has been performed on the well.

Attachments:
1) Current Wellbore Diagram
2) Proposed Wellbore Diagram

VERBAL APPROVAL WAS GRANTED BY
DAVE ANDREWS ON 5/6/2011.

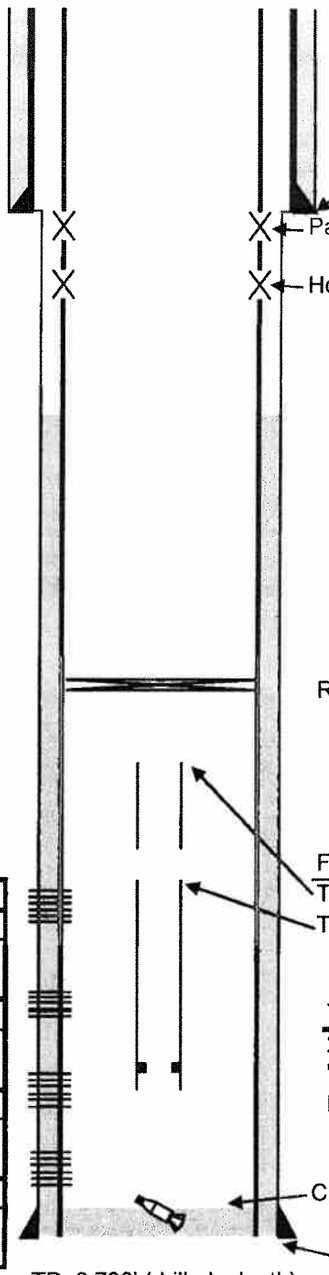
D.A.

Wellbore Diagram

(Current 5/06/11)

Elev. GL: 5,663'
KB: 5,679'

Spud: 7/21/2007
TD: 8/03/2007
Completion: 9/20/2007



Hole Diameters: 12-1/4" & 7-7/8"

8-5/8", 24 & 32#, J-55, ST&C
Set @ 909' w/ 290 sx
Circulate cmt to surface

Part in casing @ 1,240'

Hole in casing @ 2470'

Top of Cement at 4,310'

RBP @ 5,150' (5-4-2011)

Top of Gas at 5,937'

Fish in hole: ~2,100' of 2-3/8" tbg
Tubing cut @ 5,266' (5-4-11)
Tubing cut @ 5,899' (5-3-11)

TUBING (1-8-08)
2-3/8", 4.7#, J-55, EUE tubing
"X" Nipple @ 7,341'
EOT @ 7,373'

PERFORATIONS
Stage 4 perforations, Williams Fork (9/20/07):
5950' - 6384' (164 holes, 4 spf) - Frac'd w/ 14,279 bw & 431K lbs 30/50 Econo & 20/40 Carbo @ 80 bpm (fg=0.85)
Stage 3 perforations, Cameo/WF (9/18/07):
6449' - 7079' (152 holes, 4 spf) - Frac'd w/ 8,078 bw & 187K lbs 30/50 Econo & 20/40 Carbo @ 79 bpm (fg=1.02)
Stage 2 perforations, Cameo (9/17/07):
7136' - 7602' (164 holes, 4 spf) - Frac'd w/ 14,974 bw & 468K lbs 30/50 Econo & 20/40 Carbo @ 71 bpm (fg=0.94)
Stage 1 perforations, Cozzette/Corcoran (9/16/07):
8221' - 8591' (152 holes, 4 spf) - Frac'd w/ 15,030 bw & 395K lbs 30/50 Econo & 20/40 Carbo @ 79 bpm (fg=0.90)

Cleaned out to 8,640' (104') on 12-16-06

TD 8,720' (driller's depth)

5-1/2", 17#, P-110, LT&C
Cement w/ 700 sx
Float @ 8,654' (logger's depth)
Shoe @ 8,698' (driller's depth)

Antero Resources Corporation
Gentry E4
API: 05045139260000

MJK, 5/05/11

Wellbore Diagram

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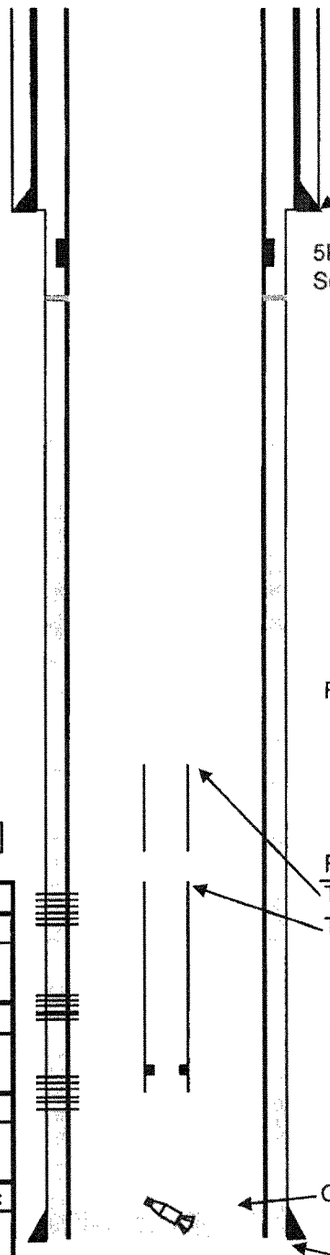

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