

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 11/29/2012
API #: 47-033-05581

Farm name: Williams, Edgar- Estate Operator Well No.: Williams Unit 2H

LOCATION: Elevation: 1190' Quadrangle: Wolf Summit

District: Coal County: Harrison
Latitude: 7.457 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 9.144 Feet West of 80 Deg. 22 Min. 30 Sec.

Company: Antero Resources Appalachian Corp

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|--------------|------------------------|
| 1625 17th Street Denver, CO 80202 | 20" 94# | 40' | 40' | 38 Cu. Ft. Class A |
| Agent: CT Corporation System | 13-3/8" 48# | 500' | 500' | 695 Cu. Ft. Class A |
| Inspector: Tristan Jenkins | 9-5/8" 36# | 2565' | 2565' | 1044 Cu. Ft. Class A |
| Date Permit Issued: 12/01/2011 | 5-1/2" 20# | 14,165' | 14,165' | 3475 Cu. Ft. Class H |
| Date Well Work Commenced: 12/16/2011 | | | | |
| Date Well Work Completed: 04/22/2012 | 2-3/8" 4.7# | 7110' | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 7021' TVD | | | | |
| Total Measured Depth (ft): 14,165' MD, 6,999' TVD (BHL) | | | | |
| Fresh Water Depth (ft.): 100', 156' | | | | |
| Salt Water Depth (ft.): *None available | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): Pad on PGH strip bench | | | | |
| Void(s) encountered (N/Y) Depth(s) N, N/A | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,972' TVD (Top)

Gas: Initial open flow _____ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 7095 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining this information I believe that the information is true, accurate, and complete.

Shannon Resnic
Signature

11/29/12
Date

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Were core samples taken? Yes _____ No **X**

Were cuttings caught during drilling? Yes _____ No **X**

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list **Yes - CBL**

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Marsh Unit 1H API# 47-033-05381). Please reference wireline logs submitted with Form WR-35 for Marsh Unit 1H.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7,147' - 14,100' MD (1,776 holes)

Frac'd w/ 11,000 gals 15% HCL Acid, 148,278 bbls Slick Water carrying 731,300# 100 mesh, 3,378,500# 40/70 and 2,295,600# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): **N/A**

| <u>Formations Encountered:</u> | <u>Top Depth</u> | <u>Bottom Depth</u> |
|--------------------------------|------------------|---------------------|
| <u>Surface:</u> | | |
| Gantz Sand | 1,847' | 1,941' |
| Fifty Foot Sandstone | 1,942' | 2,144' |
| Gordon | 2,145' | 2,375' |
| Fifth Sand | 2,376' | 2,613' |
| Bayard | 2,614' | 3,077' |
| Speechley | 3,078' | 3,304' |
| Balltown | 3,305' | 3,779' |
| Bradford | 3,780' | 4,455' |
| Benson | 4,456' | 4,722' |
| Alexander | 4,723' | 4,976' |
| Elk | 4,977' | 6,250' |
| Sycamore | 6,251' | 6,541' |
| Middlesex | 6,542' | 6,678' |
| Genundewa | 6,679' | 6,721' |
| Burket | 6,722' | 6,749' |
| Tully | 6,750' | 6,882' |
| Hamilton | 6,883' | 6,971' |
| Marcellus | 6,972' | 7,021' TVD |

01/11/2013