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: 5/4/2012
API #: 47-033-05239

Farm name: Hill, David and Suellen Operator Well No.: Haymond NW Unit 5H

LOCATION: Elevation: 1150' Quadrangle: Salem

District: Tenmile County: Harrison

Latitude: 3917 Feet South of 39 Deg. 22 Min. 30 Sec.

Longitude 18,827 Feet West of 80 Deg. 32 Min. 30 Sec.

Office of Oil & Gas
AUG 17 2012
WV Department of

Company: Antero Resources Appalachian Corp

Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 54.5#	522'	522'	727 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2573'	2573'	1048 Cu. Ft.Class A
Date Permit Issued: 5/18/2009	5 1/2' 20#	11,872'	11,872'	2849 Cu. Ft. Class H
Date Well Work Commenced: 10/7/2010				
Date Well Work Completed: 3/3/2011	2 3/8" 4.7#	7602'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7344' TVD (deepest point drilled)				
Total Measured Depth (ft): 11,872' MD, 7330' TVD (BHL)				
Fresh Water Depth (ft.): *None available				
Salt Water Depth (ft.): 1648'	*Due to air drilling, Antero was unable to identify accurate fresh water and/or coal depths for reporting.			
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): *None available				
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) 7330' TVD (Top)

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

Final open flow 8107 MCF/d Final open flow N/A Bbl/d

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

Static rock Pressure 3800 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 the information I believe that the information is true, accurate, and complete.

Signature

5-4-12
Date

08/24/2012

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- Cement Bond Log/Gamma Ray/CCL Log

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Haymond NW Unit 2H API# 47-033-05236). Please reference wireline logs submitted with Form WR-35 for Haymond NW Unit 2H.

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; 7808'-11,750' (624 holes)

Frac'd w/ 3,032 gals 15% HCL Acid, 81,029 bbls Slick Water carrying 367,793# 100 mesh, 1,939,657# 40/70 and 1,344,048# 30/50 sand.

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

Formations Encountered: Surface:	Top Depth /	Bottom Depth
**Sycamore	6803'	7183'
Tully	7184'	7329'
Marcellus	7330'	7344' TVD

** Antero only runs wireline logs on the first well on a multi-well pad (Haymond NW Unit 2H). Since this is a subsequence well, our logging started at the top of the Sycamore. Therefore, we are unable to accurately identify formation tops from the surface. Please reference the additional formation tops submitted on Form WR-35 for the Haymond NW Unit 2H (API# 47-033-05236).