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 #: 47-033-05238

RECEIVED
Office of Oil & Gas
AUG 17 2012
WV Department of
Environmental Protection

Farm name: Hill, David and Suellen Operator Well No.: Haymond NW Unit 4H

LOCATION: Elevation: 1150' Quadrangle: Salem

District: Tenmile County: Harrison
Latitude: 3924' Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 18,820' Feet West of 80 Deg. 32 Min. 30 Sec.

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" 87.5#	55'	55'	53 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 48#	559'	559'	777 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2437'	2437'	992 Cu. Ft. Class A
Date Permit Issued: 5/18/2009 & 8/5/2010	5 1/2" 20#	12,315'	12,315'	2,971 Cu. Ft. Class H
Date Well Work Commenced: 6/11/2009 & 10/7/2010				
Date Well Work Completed: 2/25/2011	2 3/8" 4.7#	7,600'		
Verbal Plugging: N/A	Cement KOP	Top:	Bottom:	
Date Permission granted on: N/A		1274'	1474'	186 Cu. Ft. Class A
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7402' TVD (deepest point drilled)				
Total Measured Depth (ft): 12,315' MD,7319' TVD (BHL)				
Fresh Water Depth (ft.): 27', 100'				
Salt Water Depth (ft.): 1200', 1850'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): *None available	*Due to air drilling, Antero was unable to identify accurate coal depths for reporting.			
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) 7,373' TVD (Top)
Gas: Initial open flow ---- MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 5269 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 X No_____ Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes- Cement Bond Log/Gamma Ray/CCL Log, High resolution Laterolog Array/Gamma Ray/Caliper, Litho Density/Compensated Neutron/Gamma Ray Caliper

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; 7857'-12,249' (792 holes)

Frac'd w/ 3,776 gals 15% HCL Acid, 90,019 bbls Slick Water carrying 454,920# 100 mesh, 2,094,720# 40/70 and 1,352,200# 20/40 sand.

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

Formations Encountered: Surface:	Top Depth	/ Bottom Depth
Big Lime	2229'	2266'
Big Injun	2267'	2708'
Gantz	2709'	2822'
Fifty Foot	2823'	2924'
Gordon	2925'	3263'
Fifth Sand	3264'	3291'
Bayard	3292'	4043'
Speechley	4044'	4367'
Balltown	4368'	4693'
Bradford	4694'	5147'
Benson	5148'	5394'
Alexander	5395'	5530'
Elk	5531'	6826'
Sycamore	6827'	7248'
Tully	7249'	7372'
Marcellus	7373'	7401'
Onondaga	7402'	7402' TVD

08/24/2012