

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: 6/15/2011  
API #: 47-033-05440  
UPDATED: 4/20/12

Farm name: Mathews, Herbet G. Operator Well No.: Bogges Unit 1H

LOCATION: Elevation: 1176' Quadrangle: Wolf Summit

District: Coal County: Harrison  
Latitude: 5465 Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 7589 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" 107#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 68#	534'	534'	742 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 40#	2527'	2527'	1029 Cu. Ft. Class A
Date Permit Issued: 7/9/2010	5-1/2" 20#	14193'	14193'	3487 Cu. Ft. Class H
Date Well Work Commenced: 9/9/2010				
Date Well Work Completed: 3/29/2011	2-3/8" 4.7#	6984'		
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): 7020' TVD (deepest point drilled)				
Total Measured Depth (ft): 14,198' MD, 7,005' TVD (BHL)				
Fresh Water Depth (ft.): *None available				
Salt Water Depth (ft.): *None available				
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) 6958' TVD (Top)

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

Final open flow 6917 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

APR 24 2012  
FREDERICK

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.

Ashley Mikaleni  
Signature

4-20-12  
Date

05/04/2012

Were core samples taken? Yes \_\_\_\_\_ No

Were cuttings caught during drilling? Yes  No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes - Cement Bond Log/Gamma Ray/CCL Log, Compensated Neutron/ Photo Density/ Dual Laterolog, Gamma Ray/ Array Induction/ Temperature

**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: 7337' - 14,130' MD (1152 holes)

Frac'd w/ 5,000 gals 15% HCL Acid, 134,701 bbls Slick Water carrying 668,600# 100 mesh, 2,931,900# 40/70 and 1,953,100# 20/40 sand.

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

Formations Encountered: / Top Depth / Bottom Depth  
Surface:

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Big Lime	1406'	1888'
Gantz	1889'	2164'
Gordon	2165'	3107'
Speechley	3108'	3340'
Balltown	3341'	4467'
Benson	4468'	4981'
Elk	4982'	6272'
Sycamore	6273'	6706'
Burkett	6707'	6732'
Tully	6733'	6866'
Hamilton	6867'	6957'
Marcellus	6958'	7020' TVD

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