

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: 5/12/2011
API #: 47-033-05388
UPDATED: 4/20/12

Farm name: Moss, Jeffrey & William G Operator Well No.: Flowers Unit 3H

LOCATION: Elevation: 1236' Quadrangle: Wolf Summit

District: Sardis County: Harrison
Latitude: 7449 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 882 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#	42'	42'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 68#	915'	915'	1271 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2464'	2464'	1003 Cu. Ft. Class A
Date Permit Issued: <u>2/25/2010</u>	5-1/2" 20#	13715'	13715'	3386 Cu. Ft. Class H
Date Well Work Commenced: <u>5/22/2010</u>				
Date Well Work Completed: <u>1/20/2011</u>	2-3/8" 4.7#	7285'		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7097' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>13715' MD, 7065' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>*None Available</u>	*Due to air drilling, Antero was unable to identify accurate fresh water, salt water and/or coal depths for reporting.			
Salt Water Depth (ft.): <u>*None Available</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>*None Available</u>				
Void(s) encountered (N/Y) Depth(s) <u>NO, N/A</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7060' TVD (Top)

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

Final open flow 7883 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 the information I believe that the information is true, accurate, and complete.

Ashtin Mahalan
Signature

4-20-12
Date

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 (Fortney Unit 2H API# 47-033-05393). Please reference wireline logs submitted with Form WR-35 for Fortney 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: 7352' – 13,652' MD (1008 holes)

Frac'd w/4,531 gals 15% HCL Acid, 94,423 bbls Slick Water carrying 503,600# 100 mesh, 1,943,700# 40/70 and 1,196,400# 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>
**Tully	6847'	6974'
Hamilton	6975'	7059'
Marcellus	7060'	7097' TVD

**Antero only runs wireline logs on the first well on a multi-well pad (Fortney Unit 2H). Since this is a subsequent well, our logging started at the top of the Tully.

Therefore, we are unable to accurately identify formation tops from surface. Please reference the additional formation tops submitted on Form WR-35 for the Fortney Unit 2H (API# 47-033-05393).