

WR-35  
Rev (8-10)

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 #: 47-033-05388-00

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 Corporation

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: <u>CT Corporation System</u>	13-3/8" 48#	915'	915'	1271 Cu. Ft. Class A
Inspector: <u>Tristan Jenkins</u>	9-5/8" 36#	2464'	2464'	1003 Cu. Ft. Class A
Date Permit Issued: <u>2/25/2010</u>	5-1/2" 20#	13,715'	13,715'	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				
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>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (N/Y) Depth(s) <u>No</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      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

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.

*Abdul Muhalew*  
Signature

5-12-11  
Date

*see 2 WJCES  
8-19-11*

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

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

Were  Electrical,  Mechanical,  or Geophysical logs recorded on this well?  
Y/N                      Y/N                      Y/N

**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 (984 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.

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth  
Surface: \_\_\_\_\_

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Tully	6847'	
Hamilton	6975'	
Marcellus	7060'	7097' TVD