

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: 7/29/2011  
API #: 47-033-05389  
UPDATED: 4/20/12

Farm name: Matthey, Willis Lee Operator Well No.: Tetrick Unit 2H

LOCATION: Elevation: 1079' Quadrangle: Salem

District: Tenmile County: Harrison  
Latitude: 12,123 Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 2299 Feet West of 80 Deg. 30 Min. 00 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" 51#	42'	42'	40 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 48# & 61#	816'	816'	1134 Cu. Ft. Class A
Inspector: <b>Tristan Jenkins</b>	9-5/8" 36#	3186'	3186'	1297 Cu. Ft. Class A
Date Permit Issued: <u>3/24/2010</u>	5-1/2" 20#	14,300'	14,300'	3365 Cu. Ft. Class H
Date Well Work Commenced: <u>5/3/2010</u>				
Date Well Work Completed: <u>3/22/2011</u>	2-3/8" 4.7#	7440'		
Verbal Plugging: <u>N/A</u>	Cement Plug	Top	Bottom	
Date Permission granted on: <u>N/A</u>		900'	1241'	294 Cu Ft. Class A
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>		1140'	1241'	294 Cu Ft. Class A
Total Vertical Depth (ft): <u>7329' TVD (deepest point drilled)</u>		1675'	1826'	198 Cu Ft. Class A
Total Measured Depth (ft): <u>14,300' MD, 7,250' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>42'</u>				
Salt Water Depth (ft.): <u>1034'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>*N/A</u>	*Due to air drilling, Antero was unable to identify coal depths for reporting.			
Void(s) encountered (N/Y) Depth(s) <u>N, 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) 7301' TVD (Top)

Gas: Initial open flow --- MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 8021 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.

Ashley Mahalan  
Signature

4-20-12  
Date

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

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  
This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Haymond Unit 2H API# 47-033-05304). Please reference wireline logs submitted with Form WR-35 for Haymond 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: 7538' – 14,235' MD (1080 holes)

Frac'd w/5,073 gals 15% HCL Acid, 131,944 bbls Slick Water carrying 646,080# 100 mesh, 3,257,330# 40/70 and 1,730,164# 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	7149'	7300'
Marcellus	7301'	7329' TVD

\*\*Antero only runs wireline logs on the first well on a multi-well pad (Haymond 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 Haymond Unit 2H (API# 47-033-05304).