

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 #: 47-033-05392
UPDATED: 4/20/12

Farm name: Matthey, Willis Lee Operator Well No.: Tetrick Unit 1H

LOCATION: Elevation: 1079' Quadrangle: Salem

District: Tenmile County: Harrison
Latitude: 12.124 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 2289 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'	59 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 48#	434'	434'	618 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	3190'	3190'	1298 Cu. Ft. Class A
Date Permit Issued: 3/24/2010 & 2/10/2011	5-1/2" 20#	14,547'	14,547'	3391 Cu. Ft. Class H
Date Well Work Commenced: 5/23/2010				
Date Well Work Completed: 3/13/2011	2-3/8" 4.7#	7,421'		
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): 7,689' MD 7,339' TVD (deepest point drilled)				
Total Measured Depth (ft): 14,547' MD, 7,234' TVD (BHL)				
Fresh Water Depth (ft.): *None available	*Due to air drilling, Antero was unable to identify accurate fresh water, salt water and/or coal depths for reporting.			
Salt Water Depth (ft.): *None available				
Is coal being mined in area (N/Y)? No				
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) 7309' TVD (Top)

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

Final open flow 90 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

REC'D
APR 24 2012
WV DEPT OF ENVIRONMENTAL PROTECTION

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.

Charles M. Walker
Signature

4-20-12
Date

05/04/2012

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 (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: 7542' – 14,479' MD (1524 holes)

Frac'd w/6,658 gals 15% HCL Acid, 148,843 bbls Slick Water carrying 672,873# 100 mesh, 3,145,296# 40/70 and 1,870,300# 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>
**Burkett	7129'	7166'
Tully	7167'	7256'
Hamilton	7257'	7308'
Marcellus	7309'	7339' 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 Burkett.

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).