

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 4/22/13
API #: 47-033-05631

Farm name: Yeager, Charles E. Operator Well No.: George Unit 1H

LOCATION: Elevation: 1350' Quadrangle: West Milford

District: Union County: Harrison
Latitude: 5,117' Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 9,690' Feet West of 80 Deg. 27 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" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 48#	352'	352'	489 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2,538'	2,538'	1033 Cu. Ft. Class A
Date Permit Issued: 6/6/2012	5-1/2" 20#	16,426'	16,426'	4098 Cu. Ft. Class H
Date Well Work Commenced: 10/17/12				
Date Well Work Completed: 2/19/13	2-3/8" 4.7#	7384'		
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): 7242' TVD				
Total Measured Depth (ft): 16,426' MD				
Fresh Water Depth (ft.): 103'				
Salt Water Depth (ft.): None reported off this pad				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 178', 257', 295'				
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) 7,120' TVD (Top)

Gas: Initial open flow ----- MCF/d Oil: Initial open flow N/A E
Final open flow 13,780 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 3600 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

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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.

Kalti Krato
Signature

5/2/13
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- CBL**

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Stutler Unit 1H API#47-033-05586). Please reference the wireline logs submitted with Form WR-35 for Stutler Unit 1H.

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: 7501' - 16,363' MD (1,656 holes)

Frac'd w/ 12,000 gals 15% HCL Acid, 236,278 bbls Slick Water carrying 1,435,550# 100 mesh, 5,121,340# 40/70 sand and 3,098,190# 20/40 sand.

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Fifth Sandstone	est. 2649'	2699'
Bayard	est. 2700'	3345'
Speechley	est. 3346'	3592'
Balltown	est. 3593'	4098'
Bradford	est. 4099'	4672'
Benson	est. 4673'	4870'
Alexander	est. 4871'	5060'
Elk	est. 5061'	6488'
Sycamore	6489'	6912'
Burket	6913'	6937'
Tully	6938'	7052'
Hamilton	7053'	7119'
Marcellus	7120'	7242' TVD

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