

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: 1/27/2011
API #: 47-033-05417
UPDATED: 4/20/12

Farm name: Carnes, Richard & Patricia Operator Well No.: Marsh Unit 3HR

LOCATION: Elevation: 1183' Quadrangle: Wolf Summit

District: Sardis County: Harrison
Latitude: 8443' Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 2577' 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" 94#	40'	40'	59 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 48#	949'	949'	1308 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2539'	2539'	891 Cu. Ft. Class A
Date Permit Issued: <u>5/7/2010</u>	5-1/2" 20#	12358'	12358'	2987 Cu. Ft. Class H
Date Well Work Commenced: <u>6/2/2010</u>		Depth - Top	Bottom	
Date Well Work Completed: <u>8/18/2010</u>	Cement Plug	2380'	2539'	59 Cu. Ft. Class A
Verbal Plugging: <u>N/A</u>	Cement Plug	2539'	2543'	74 Cu. Ft. Class A
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>	2-3/8" 4.7#	7183'		
Total Vertical Depth (ft): <u>7048' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>12358' MD, 7005' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>*None Available</u>				
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) 6999' TVD (Top)

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

Final open flow 7637 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.

William Mikalci
Signature

4-20-12
Date

05/04/2012

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 (Marsh Unit 3H API# 47-033-05376). Please reference wireline logs submitted with Form WR-35 for Marsh Unit 3H.

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: 7257' - 12306' MD (1080 holes)

Frac'd w/ 4,028 gals 15% HCL Acid, 103,433 bbls Slick Water carrying 504,561# 100 mesh, 2,308,257# 40/70 and 1,531,699# 20/40 sand.

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

<u>Formations Encountered:</u> <u>Surface:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
**Tully	6793'	6915'
Hamilton	6916'	6998'
Marcellus	6999'	7048' TVD

**Antero only runs wireline logs on the first well on a multi-well pad (Marsh Unit 3H). 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 Marsh Unit 3H (API# 47-033-05376).

05/04/2012