

WR-35  
Rev (9-II)

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

DATE: 4/4/2012  
API #: 47-033-05533

Farm name: Mazer, Douglas A. Operator Well No.: Rice North Unit 1H

LOCATION: Elevation: 1057' Quadrangle: Salem

District: Tenmile County: Harrison  
Latitude: 9179 Feet South of 39 Deg. 22 Min. 30 Sec.  
Longitude 20,909 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" 94#	40'	40'	38 Cu. Ft. Grout
Agent: CT Corporation System	13-3/8" 68#	548'	548'	761 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2,536'	2,536'	1033 Cu. Ft. Class A
Date Permit Issued: 3/14/2011	5-1/2" 20#	15,265'	15,265'	3788 Cu. Ft. Class H
Date Well Work Commenced: 5/3/2011				
Date Well Work Completed: 9/9/2011	2-3/8" 4.7#	7,332'		
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): 7,331' TVD (deepest point drilled)				
Total Measured Depth (ft): 15,265' MD, 7,316' TVD (BHL)				
Fresh Water Depth (ft.): 40'				
Salt Water Depth (ft.): *N/A				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): *N/A		*Due to air drilling, Antero was unable to identify accurate salt water and/or coal depths for reporting.		
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) 7216' TVD (Top)

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

Final open flow 8552 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 4065 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

APR 23 2012

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.

Archie K. Kralovic  
Signature

4-19-12  
Date

08/31/2012

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 (O. Rice South Unit 1H -47-033-05437). Please reference wireline logs submitted with Form WR-35 for O.Rice South 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: 7516' – 15,197' MD (1458 holes)

Frac'd w/ 8,000 gals 15% HCl Acid, 161,904 bbls Slick Water carrying 627,900# 100 mesh, 3,756,300# 40/70 and 2,427,600# 20/40 sand.

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

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
**Sycamore	6638'		7070'
Tully	7071'		7163'
Hamilton	7164'		7215'
Marcellus	7216'		7331' TVD

**\*\*Antero only runs wireline logs on the first well on a multi-well pad (O. Rice South Unit 1H). Since this is a subsequent well, our logging started at the top of the Sycamore.**

Therefore, we are unable to accurately identify formation tops from surface. Please reference the additional formation tops submitted on Form WR-35 for the O. Rice South Unit 1H (API# 47-033-05437).

*[Handwritten signature and date: 08/31/12]*

08/31/2012