

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: 1/11/2013  
API #: 47-033-05621

Farm name: Lowe, Francis L. & Nancy P. Operator Well No.: Lowe Unit 1H

LOCATION: Elevation: 1214' Quadrangle: West Milford

District: Union County: Harrison  
Latitude: 8757 Feet South of 38 Deg. 15 Min. 00 Sec.  
Longitude 817 Feet West of 80 Deg. 25 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.
Agent: CT Corporation System	13 3/8" 48#	576'	576'	800 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2676'	2676'	1090 Cu. Ft. Class A
Date Permit Issued: 6/7/2012	5 1/2" 23#	16227'	16227'	4010 Cu. Ft. Class H
Date Well Work Commenced: 6/12/2012				
Date Well Work Completed: 11/2/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A	2 3/8" 4.7#	6981'		
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6946' TVD				
Total Measured Depth (ft): 16227' MD				
Fresh Water Depth (ft.): est. 195'				
Salt Water Depth (ft.): est. 623'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Pad constructed on reclaimed PHG strip bench				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 5873' TVD (Top)

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

Final open flow 9886 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

Received  
Office of Oil & Gas  
JAN 14 2013

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.

Shannon Redi  
Signature

1/11/13  
Date

01/25/2013

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

Were cuttings caught during drilling? Yes  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 (Wagner Unit 1H, API# 47-033-05485). Please reference the wireline logs submitted with Form WR-35 for Wagner 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: 7062'-16163' (1884 holes)

Frac'd w/ 14,000 gals 15% HCL Acid, 188,434 bbls Slick Water carrying 1,014,691# 100 mesh, 3,828,095# 40/70 and 2,321,422# 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>		
Big Lime est.	1453'	1564'
Big Injun est.	1565'	1972'
Fifty Foot Sandstone est.	1973'	2115'
Gordon est.	2116'	2382'
Fifth Sandstone est.	2383'	2435'
Bayard est.	2436'	3089'
Speechley est.	3090'	3305'
Balltown est.	3306'	3817'
Bradford est.	3816'	4482'
Benson est.	4483'	4786'
Alexander est.	4787'	5013'
Elk est.	5014'	5541'
Rhinestreet est.	5542'	6464'
Middlesex	6465'	6552'
West River Shale	6553'	6649'
Burket	6650'	6678'
Tully	6679'	6872'
Marcellus	6873'	6946' TVD

01/25/2013