

WR-35  
Rev (8-10)

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

DATE: 11/8/2011  
API #: 47-033-05493

Farm name: Sperry, Clarence, Janet and Diane Operator Well No.: Post Unit 3H

LOCATION: Elevation: 1169' Quadrangle: West Milford

District: Union County: Harrison  
Latitude: 2297' Feet South of 38 Deg. 15 Min. 00 Sec.  
Longitude 4343' Feet West of 80 Deg. 27 Min. 30 Sec.

Company: Antero Resources Appalachian Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	66'	66'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 68#	510'	510'	708 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2434'	2434'	991 Cu. Ft. Class A
Date Permit Issued: 11/17/2010	5-1/2" 20#	12,387'	12,387'	3028 Cu. Ft. Class H
Date Well Work Commenced: 12/23/2010				
Date Well Work Completed: 2/26/2011	2-3/8" 4.7#	7144'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Vertical Depth (ft): 7030' TVD (deepest point drilled)				
Total Measured Depth (ft): 12,387' MD, 6969' TVD (BHL)				
Fresh Water Depth (ft.): *None Available				
Salt 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.			
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) 6985' TVD (Top)

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

Final open flow 8,729 MCF/d Final open flow N/A Bbl/d

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

Static rock Pressure 3200 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.

Ashe Mihalow  
Signature

6-4-12  
Date

08/31/2012

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

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were N Electrical, Y Mechanical, N or Geophysical logs recorded on this well?  
Y/N Y/N Y/N

**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: 7262' – 12,320' MD (864 holes)

Frac'd w/4,000 gals 15% HCL Acid, 86,020 bbls Slick Water carrying 398,200# 100 mesh,  
1,847,400# 40/70 and 1,269,300# 20/40 sand.

Formations Encountered: Surface:	Top Depth	Bottom Depth
**Sycamore	6303'	6789'
Tully	6790'	6984'
Marcellus	6985'	7030' TVD

\*\*Antero only runs wireline logs on the first well on a multi-well pad (Post Unit 2H). 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 Post Unit 2H (AP# 47-033-05482).

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