

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: 1/24/2013  
API #: 47-017-06083

Farm name: Davis, Jonathan Operator Well No.: Valentine Unit 1H

LOCATION: Elevation: 1159' Quadrangle: West Union 7.5'

District: Central County: Doddridge  
Latitude: 10,556' Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 12,382' Feet West of 80 Deg. 47 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#	670'	670'	931 Cu. Ft Class A
Inspector: Sam Ward	9-5/8" 36#	2626'	2626'	1450 Cu. Ft Class A
Date Permit Issued: 5/23/2012	5-1/2" 20#	14210'	14210'	3471 Cu. Ft Class H
Date Well Work Commenced: 6/29/2012				
Date Well Work Completed: 10/17/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A	2-3/8" 4.7#	6665'		
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6817' TVD				
Total Measured Depth (ft): 14210' MD				
Fresh Water Depth (ft.): est. 161', 286'				
Salt Water Depth (ft.): est. 780', 837'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): est. 824', 828'				
Void(s) encountered (N/Y) Depth(s) No, 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) 6673' TVD (Top)

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

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.

Jonathan Davis  
Signature

1/24/13  
Date

Office of Oil and Gas  
02/08/2013

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, Photo Density/  
Compensated Neutron/ Gamma Ray and Dual Laterolog Gamma Ray

**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: 7078'-14,143' MD (1428 holes)

Frac'd w/ 11,500 gals 15% HCL Acid, 154,976 bbls Slick Water carrying 778,200# 100 mesh,

2,603,300# 40/70 and 1,470,000# 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	2,066'	2,176'
Big Injun	2,177'	2,574'
Gantz Sand	2,575'	2,717'
Fifty Foot Sandstone	2,718'	2,808'
Gordon	2,809'	3,122'
Fifth Sandstone	3,123'	3,147'
Bayard	3,148'	3,911'
Speechley	3,912'	4,176'
Balltown	4,177'	4,621'
Bradford	4,622'	5,063'
Benson	5,064'	5,324'
Alexander	5,325'	5,507'
Elk	5,508'	5,998'
Rhinestreet	5,999'	6,306'
Sycamore	6,307'	6,479'
Middlesex	6,480'	6,601'
Burket	6,602'	6,632'
Tully	6,633'	6,672'
Marcellus	6,673'	6,817' TVD

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