

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

DATE: 11/15/2012  
API #: 47-033-05518

Farm name: Posey, Larry L. & Martha V. Operator Well No.: RR Unit 1H

LOCATION: Elevation: 1107' Quadrangle: Clarksburg

District: Coal County: Harrison  
Latitude: 11.855 Feet South of 39 Deg. 20 Min. 00 Sec.  
Longitude 10.394 Feet West of 80 Deg. 20 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" 65.6#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 68#	522'	522'	740 Cu. Ft. Class A
Inspector: <u>Tristan Jenkins</u>	9-5/8" 36#	2464'	2464'	1009 Cu. Ft. Class A
Date Permit Issued: 10/20/2011	5-1/2" 20#	16,294'	16,294'	4107 Cu. Ft. Class H
Date Well Work Commenced: 10/21/2011				
Date Well Work Completed: 03/25/2012	2-3/8" 4.7#	7050'		
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): 7,097' TVD				
Total Measured Depth (ft): 16,295' MD, 6,952' TVD (BHL)				
Fresh Water Depth (ft.): 50', 120'				
Salt Water Depth (ft.): 2405'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Pad built on deepest coal seam.				
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) 7,062' TVD (Top)

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

Final open flow 9,460 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.

Lisa B. Humelee  
Signature

11/16/12  
Date

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11/23/2012

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- CBL**

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Coly Unit 1H API# 47-033-05538). Please reference wireline logs submitted with Form WR-35 for Coly 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: 7875' - 16,226' MD (1584 holes)

Frac'd w/ 11,500 gals 15% HCL Acid, 171,382bbls Slick Water carrying 807,600# 100 mesh, 3,627,800# 40/70 and 2,220,200# 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	1,385'	1,501'
Big Injun	1,502'	1,873'
Gantz Sand	1,874'	1,958'
Fifty Foot Sandstone	1,959'	2,151'
Gordon	2,152'	2,393'
Fifth Sandstone	2,394'	2,453'
Bayard	2,454'	3,080'
Speechley	3,081'	3,299'
Balltown	3,300'	3,766'
Bradford	3,767'	4,434'
Benson	4,435'	4,721'
Alexander	4,722'	4,952'
Elk	4,953'	6,222'
Sycamore	6,223'	6,560'
Middlesex	6,561'	6,717'
Genundewa	6,718'	6,751'
Burket	6,752'	6,787'
Tully	6,788'	6,937'
Hamilton	6,938'	7,061'
Marcellus	7,062'	7,077'
Onondaga	7,078'	7,097'

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