

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: 9/4/2012
API #: 47-033-05538

Farm name: Posey, Larry and Martha Operator Well No.: Colly Unit 1H

LOCATION: Elevation: 1107' Quadrangle: Clarksburg

District: Coal County: Harrison
Latitude: 11.845 Feet South of 30 Deg. 20 Min. 00 Sec.
Longitude 10.411 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" 94#	43'	43'	41 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 54.5#	485'	485'	674 Cu. Ft. Class A
Inspector: Tristan Jenkins	10.8" 36#	2479'	2479'	1009 Cu. Ft. Class A
Date Permit Issued: 04/19/2011	5-1/2" 20#	15,096'	15,096'	3767 Cu. Ft. Class H
Date Well Work Commenced: 07/01/2011				
Date Well Work Completed: 03/10/2012	2-3/8" 4.7#	7078'		
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): 7,018' TVD (Deepest point drilled)				
Total Measured Depth (ft): 15,110' MD, 6,957' TVD (BHL)				
Fresh Water Depth (ft.): 485'	*Due to air drilling, Antero was unable to identify accurate salt water and coal depths for reporting.			
Salt Water Depth (ft.): *None Available				
Is coal being mined in area (N/Y)? N				
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) 6,987' TVD (Top)

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

Final open flow 8.734 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

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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.

Hah Kroppig
Signature

9/4/2012
Date

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 - Cement Bond Log/Gamma Ray/CCL Log, Compensated Neutron/Photo Density/Dual Laterolog, Gamma Ray/Array Induction/Temperature

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: 7,340'- 15,032' MD

Frac'd w/ 11,500 gals 15% HCL Acid, 172,251 bbls Slick Water carrying 813,900# 100 mesh, 3,756,500# 40/70 and 2,403,100# 20/40 sand.

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

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<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime-	1,420'	1,517'
Big Injun-	1,518'	1,879'
Gantz Sand-	1,880'	1,970'
Fifty Foot Sandstone-	1,971'	2,140'
Gordon-	2,141'	2,408'
Fifth Sandstone-	2,409'	3,097'
Speechley-	3,098'	3,300'
Balltown-	3,301'	3,782'
Bradford-	3,783'	4,429'
Benson-	4,430'	4,738'
Alexander-	4,739'	4,941'
Elk-	4,942'	5,503'
Rhinstreet-	5,504'	6,750'
Burket -	6,751'	6,776'
Tully Ls-	6,777'	6,900'
Hamilton -	6,901'	6,986'
Marcellus -	6,987'	6,998'
Purcell-	6,999'	7,016'
Cherry Valley Ls-	7,017'	7,016'
Onondaga Ls-	7,000'	7,018'