

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: 11/15/2012
API #: 47-033-05243-00

Farm name: Johnson Family Trust Operator Well No.: Morgan Unit 1H

LOCATION: Elevation: 1121' Quadrangle: Salem

District: Tennile County: Harrison
Latitude: 2149 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 17283 Feet West of 80 Deg. 32 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" 55#	394'	394'	547 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2,360'	2,360'	961 Cu. Ft. Class A
Date Permit Issued: 6/12/2009, 2/21/2012 (Drill Deeper)	5 1/2" 20#	11,779'	11,779'	2883 Cu. Ft. Class A
Date Well Work Commenced: 6/30/2010				
Date Well Work Completed: 5/2/2012	2 3/8" 4.7#	7,642'		
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): 7,413'				
Total Measured Depth (ft): 11,779' MD, 7,346' TVD (BHL)				
Fresh Water Depth (ft.): 40'				
Salt Water Depth (ft.): est. 1915'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 949'				
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) 7,392' TVD (Top)
Gas: Initial open flow _____ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 6034 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 3800 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.

Signature

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, CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Bailey Unit 2H AP# 47-033-05327). Please reference wireline logs submitted with Form WR-35 for Bailey Unit 2H.

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: 7,793' - 11,713' (864 holes)

Frac'd w/ 6,500 gals 15% HCL Acid, 109,557 bbls Slick Water carrying 522,238# 100 mesh, 2,439,780# 40/70 and 1,657,020# 20/40 sand.

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

<u>Formations Encountered:</u> <u>Surface:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Big Lime	2,153'	2,192'
Big Injun	2,193'	2,617'
Gantz Sand	2,618'	2,745'
Fifty Foot Sand	2,746'	2,846'
Gordon	2,847'	3,187'
Fifth Sandstone	3,188'	3,962'
Speechley	3,963'	4,274'
Balltown	4,275'	4,610'
Bradford	4,611'	5,145'
Benson	5,146'	5,424'
Alexander	5,425'	5,631'
Elk	5,632'	6,259'
Rhinestreet	6,260'	6,813'
Sycamore SS	6,814'	7,067'
Sonyea	7,068'	7,228'
Burket	7,229'	7,251'
Tully	7,252'	7,341'
Hamilton	7,342'	7,391'
Marcellus	7,392'	7,413' TVD