

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: 5/10/12
API #: 47-033-05477

Farm name: Nutter, Randall L. and Wanda L. Operator Well No.: Lively Unit 1H

RECEIVED

LOCATION: Elevation: 1176' Quadrangle: Wolf Summit

JUN 12 2012

District: Coal County: Harrison
Latitude: 5470' Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7560' Feet West of 80 Deg. 22 Min. 30 Sec.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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#	568'	568'	789 Cu. Ft. Class A
Inspector: <u>Tristan Jenkins</u>	9-5/8" 36#	2487'	2487'	1013 Cu. Ft. Class A
Date Permit Issued: <u>9/13/2010</u>	5-1/2" 20#	16,030'	16,030'	3996 Cu. Ft. Class H
Date Well Work Commenced: <u>2/21/2011</u>				
Date Well Work Completed: <u>10/12/2011</u>	2-3/8 4.7#	7023'		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7142' TVD (deepest point drilled)</u>				
Total Measured Depth (ft): <u>16030' MD, 7142' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>*None available</u>				
Salt Water Depth (ft.): <u>*None available</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>*None available</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6959' TVD (Top)

Gas: Initial open flow ----- MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 7412 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.

Robbie Melalew
Signature

5-10-12
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
This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Boguess Unit 1H API# 47-033-05440). Please reference wireline logs submitted with Form WR-35 for Boguess 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: 7456' – 15,964' MD

Frac'd w/ 6,250 gals 15% HCl Acid, 144,778 bbls Slick Water carrying 632,600# 100 mesh, 2,895,500# 40/70 and 1,963,900# 20/40 sand.

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

Formations Encountered:	Top Depth	Bottom Depth
Surface:		
**Burkett	6712'	6736'
Tully	6737'	6868'
Hamilton	6869'	6958'
Marcellus	6959'	7142' TVD

**Antero only runs wireline logs on the first well on a multi-well pad (Boguess Unit 1H). Since this is a subsequent well, our logging started at the top of the Burkett. Therefore, we are unable to accurately identify formation tops from surface. Please reference the additional formation tops submitted on Form WR-35 for the Boguess Unit 1H (API# 47-033-05440).