

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: 1/14/2013
API #: 47-095-02039

Farm name: Moore, Forest C. Jr. & Brenda Operator Well No.: Ed Arnold Unit 2H

LOCATION: Elevation: 749' Quadrangle: Center Point 7.5'

District: McElroy County: Tyler
Latitude: 8987 Feet South of 39 Deg. 25 Min. 00 Sec.
Longitude 7558 Feet West of 80 Deg. 42 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.
Agent: CT Corporation System	13 3/8" 48#	544'	544'	756 Cu. Ft. Class A
Inspector: Joe Taylor	9 5/8" 36#	2833'	2833'	1153 Cu. Ft. Class A
Date Permit Issued: 12/22/2011	5 1/2" 20#	15396'	15396'	3734 Cu. Ft. Class H
Date Well Work Commenced: 4/6/2012				
Date Well Work Completed: 8/6/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A	2 3/8" 4.7#	6966'		
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7275' TVD				
Total Measured Depth (ft): 15396' MD				
Fresh Water Depth (ft.): 120', 291'				
Salt Water Depth (ft.): None available				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): est. 672', 747'				
Void(s) encountered (N/Y) Depth(s) None				

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

Producing formation Marcellus Pay zone depth (ft) 6545' TVD (Top)

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

Final open flow 6033 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3550 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.

Shawna Pedit
Signature

1/14/13
Date

Received
Office of Oil & Gas
JAN 25 2013
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,

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Ed Arnold Unit 1H API#47-095-02038). Please reference the wireline logs submitted with Form WR-35 for Ed Arnold 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: 7106'-15232' (1420 holes)

Frac'd w/ 12,500 gals 15% HCL Acid, 171,189 bbls Slick Water carrying 943,127# 100 mesh,
3,272,127# 40/70 and 1,881,550# 20/40 sand.

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

Formations Encountered:	Top Depth	Bottom Depth
<u>Surface:</u>		
Gantz Sand est.	2678'	2803'
Fifty Foot Sand est.	2804'	2918'
Gordon est.	2919'	3122'
Fifth Sandstone est.	3123'	3153'
Bayard est.	3154'	3526'
Warren est.	3527'	4836'
Benson est.	4837'	5090'
Alexander est.	5091'	5283'
Elk est.	5284'	5901'
Rhinestreet est.	5902'	6169'
Sycamore est.	6170'	6205'
Sonyea	6206'	6317'
Middlesex	6318'	6369'
West River Shale	6370'	6458'
Burket	6459'	6487'
Tully	6488'	6544'
Marcellus	6545'	7275' TVD

Registered
Office of Oil & Gas
02/08/2016
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