

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

DATE: 2/19/2013
API #: 47-017-06080

Farm name: Powell, Dennis H. and Mellie Operator Well No.: Neely Unit 2H

LOCATION: Elevation: 881' Quadrangle: Smithburg 7.5'

District: Grant County: Doddridge
Latitude: 6.902 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 5.654 Feet West of 80 Deg. 40 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#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 48#	380'	380'	528 Cu. Ft. Class A
Inspector: Sam Ward	9-5/8" 36#	2497'	2497'	1017 Cu. Ft. Class A
Date Permit Issued: <u>4/26/2012</u>	5-1/2" 20#	13641'	13641'	3350 Cu. Ft. Class H
Date Well Work Commenced: <u>6/6/2012</u>				
Date Well Work Completed: <u>12/8/2012</u>	2-3/8" 4.7#	6649'		
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>6,633' TVD</u>				
Total Measured Depth (ft): <u>13,664' MD</u>				
Fresh Water Depth (ft.): <u>105'</u>				
Salt Water Depth (ft.): <u>1216'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>154', 236', 273'</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) 6,522' TVD (Top)

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

Final open flow 8,304 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

FEB 21 2013

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. Hinkel
Signature

2/19/13
Date

03/15/2013

17-06080

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 (Neely Unit 1H AP#47-017-06086). Please reference the wireline logs submitted with Form WR-35 for Neely 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: 6,927' - 13,575' MD (1392 holes)

Frac'd w/ 10,500 gals 15% HCL Acid, 136,738 bbls Slick Water carrying 731,159# 100 mesh, 2,766,121# 40/70 and 1,653,769# 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 est.	1,571'	2,321'
Fifty Foot Sandstone est.	2,322'	4,174'
Bradford est.	4,175'	4,640'
Benson est.	4,641'	4,897'
Alexander est.	4,898'	5,114'
Elk est.	5,115'	5,673'
Rhinestreet	5,674'	6,178'
Sycamore	6,179'	6,268'
Middlesex	6,269'	6,325'
West River	6,326'	6,367'
Genundewa	6,368'	6,411'
Burket	6,412'	6,442'
Tully	6,443'	6,504'
Hamilton	6,505'	6,521'
Marcellus	6,522'	6,633' TVD

03/15/2013