

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: 1/18/2013  
API #: 47-017-06085

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

LOCATION: Elevation: 881' Quadrangle: Smithburg 7.5'

District: Grant County: Doddridge  
Latitude: 6.885 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude 5.665 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#	2707'	2707'	1514 Cu. Ft. Class A
Date Permit Issued: 5/22/2012	5-1/2" 20#	14446'	14446'	3395 Cu. Ft. Class H
Date Well Work Commenced: 7/29/2012				
Date Well Work Completed: 12/18/2012	2-3/8" 4.7#	6630'		
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): 6,643' TVD				
Total Measured Depth (ft): 14,446' MD				
Fresh Water Depth (ft.): 103'				
Salt Water Depth (ft.): None available				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 154', 236', 273'				
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) 6,545' TVD (Top)

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

Final open flow 5.821 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 Bohnelei  
Signature

2/19/13  
Date

03/15/2013

17-06085

Were core samples taken? Yes \_\_\_\_\_ No **X** \_\_\_\_\_

Were cuttings caught during drilling? Yes **X** \_\_\_\_\_ 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#47-017-08088). 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: 7,135' - 14,377' MD (1452 holes)

Frac'd w/ 11,000 gals 15% HCL Acid, 150,553 bbls Slick Water carrying 843,928# 100 mesh,

3,000,406# 40/70 and 1,861,910# 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'	5,664'
Rhinestreet est.	5,665'	6,045'
Sycamore est.	6,046'	6,114'
Sonyea est.	6,115'	6,257'
Middlesex est.	6,258'	6,315'
West River est.	6,316'	6,359'
Genundewa est.	6,360'	6,431'
Burket	6,432'	6,460'
Tully	6,461'	6,525'
Hamilton	6,526'	6,544'
Marcellus	6,545'	6,643' TVD

03/15/2013