

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: 2/19/2013
API #: 47-017-06084

Farm name: Powell, Dennis H. and Mellie Operator Well No.: Leatherman Unit 1H

LOCATION: Elevation: 881' Quadrangle: Smithburg 7.5'

District: Grant County: Doddridge
Latitude: 6.894 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 5.659 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#	353'	353'	490 Cu. Ft. Class A
Inspector: Sam Ward	9-5/8" 36#	2601'	2601'	1514 Cu. Ft. Class A
Date Permit Issued: <u>5/22/2012</u>	5-1/2" 20#	13917'	13917'	3395 Cu. Ft. Class H
Date Well Work Commenced: <u>7/6/2012</u>				
Date Well Work Completed: <u>12/13/2012</u>	2-3/8" 4.7#	6677'		
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>6,630' TVD</u>				
Total Measured Depth (ft): <u>13,917' MD</u>				
Fresh Water Depth (ft.): <u>est. 103'</u>				
Salt Water Depth (ft.): <u>None available</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) 6.528' TVD (Top)

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

Final open flow 9.118 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 Bafu Cui
Signature

2/19/13
Date

03/15/2013

17-06084

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 API#47-017-06088). 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: 6,666' - 13,851' MD (1452 holes)

Frac'd w/ 11,000 gals 15% HCL Acid, 150,915bbls Slick Water carrying 791,499# 100 mesh,

2,947,320# 40/70 and 1,867,227# 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'	6,328'
West River est.	6,329'	6,370'
Genundewa est.	6,371'	6,416'
Burket est.	6,417'	6,446'
Tully est.	6,447'	6,510'
Hamilton est.	6,511'	6,527'
Marcellus est.	6,528'	6,630' TVD

03/15/2013