

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: 10/16/2010  
API #: 47-033-05393  
UPDATED: 4/20/12

Farm name: Moss, Jeffrey & William G Operator Well No.: Fortney Unit 2H

LOCATION: Elevation: 1236' Quadrangle: Wolf Summit

District: Sardis County: Harrison  
Latitude: 7576 Feet South of 39 Deg. 22 Min. 30 Sec.  
Longitude 16,056 Feet West of 80 Deg. 22 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<br>Denver, CO 80202   | 20" 94#         | 42'              | 42'          | 40 Cu. Ft. Grout   |
| Agent: CT Corporation System   | 13-3/8" 48#     | 443'             | 443'         | 615 Cu. Ft. Class A  |
| Inspector: Tristan Jenkins   | 9-5/8" 36#      | 2457'            | 2457'        | 1000 Cu. Ft. Class A   |
| Date Permit Issued: 3/9/2010   | 5-1/2" 20#      | 12969'           | 12969'       | 3151 Cu. Ft. Class H   |
| Date Well Work Commenced: 4/1/2010   |                 |                  |              |  |
| Date Well Work Completed: 5/28/2010  | 2-3/8" 4.7#     | 7239'            |              |  |
| 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): 7217' TVD (deepest point drilled)   |                 |                  |              |  |
| Total Measured Depth (ft): 12996' MD, 7217' TVD (BHL)  |                 |                  |              |  |
| Fresh Water Depth (ft.): *None available   |                 |                  |              |  |
| Salt Water Depth (ft.): *None available  |                 |                  |              | *Due to air drilling, Antero was unable to identify accurate fresh water, salt water and/or coal depths for reporting. |
| Is coal being mined in area (N/Y)? NO  |                 |                  |              |  |
| Coal Depths (ft.): *None available   |                 |                  |              |  |
| 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) 7066' TVD (Top)

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

Final open flow 11268 MCF/d Final open flow N/A Bbl/d

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

Static rock Pressure 3900 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

REC'D  
APR 20 2012  
OFFICE OF OIL AND GAS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE OF WEST VIRGINIA

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.

Asheley Mahelen  
Signature

4-20-12  
Date

05/04/2012

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  
and Photo Density/ Compensated Neutron/ Compensated Sonic \_\_\_\_\_

**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: 7249' - 12,906' MD (1092 holes)

Frac'd w/4,032 gals 15% HCL Acid, 112,476 bbls Slick Water carrying 531,136# 100 mesh,  
2,591,123# 40/70 and 1,765,985# 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                       | 1468'            | 1985'               |
| Gantz                          | 1986'            | 2238'               |
| Gordon                         | 2239'            | 3177'               |
| Speechley                      | 3178'            | 3384'               |
| Balltown                       | 3385'            | 4626'               |
| Benson                         | 4627'            | 5134'               |
| Elk                            | 5135'            | 6380'               |
| Sycamore                       | 6381'            | 6815'               |
| Burkett                        | 6816'            | 6851'               |
| Tully                          | 6852'            | 6980'               |
| Hamilton                       | 6981'            | 7065'               |
| Marcellus                      | 7066'            | 7217' TVD           |

05/04/2012