

WR-35  
Rev (8-10)

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

DATE: 10/31/2012  
API #: 47-033-05605-00

*AS*

Farm name: Southern, Edgar Operator Well No.: Cottrill Unit 2H

LOCATION: Elevation: 1175' Quadrangle: Wolf Summit

District: Tennile County: Harrison  
Latitude: 6080' Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude 9391' Feet West of 60 Deg. 27 Min. 30 Sec.

Company: Antero Resources Appalachian Corporation

| Address:   | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|--------------|------------------------|
| 1625 17th Street<br>Denver, CO 80202   | 20" 94#         | 70'              | 70'          | 573 Cu. Ft. Class A    |
| Agent: <u>CT Corporation System</u>  |                 |                  |              |                        |
| Inspector: <u>Tristan Jenkins</u>  |                 |                  |              |                        |
| Date Permit Issued: <u>5/25/2012</u>   |                 |                  |              |                        |
| Date Well Work Commenced: <u>7/16/2012</u>   |                 |                  |              |                        |
| Date Well Work Completed: <u>7/16/2012</u>   |                 |                  |              |                        |
| 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>70'</u>  |                 |                  |              |                        |
| Total Measured Depth (ft): <u>70'</u>  |                 |                  |              |                        |
| Fresh Water Depth (ft.): <u>None encountered</u>   |                 |                  |              |                        |
| Salt Water Depth (ft.): <u>None encountered</u>  |                 |                  |              |                        |
| Is coal being mined in area (N/Y)? <u>NO</u>   |                 |                  |              |                        |
| Coal Depths (ft.): <u>None encountered</u>   |                 |                  |              |                        |
| Void(s) encountered (N/Y) Depth(s) <u>No, but void encountered on subsequent well on pad (Cottrill Unit 3H) approximately 210' to 220'</u> |                 |                  |              |                        |

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

Producing formation N/A Pay zone depth (ft) N/A  
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

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.

*Goshko Michalev*  
Signature

10-31-12  
Date

11/16/2012

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

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were N Electrical, N Mechanical, N or Geophysical logs recorded on this well?  
Y/N Y/N Y/N

**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:

N/A

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Formations Encountered: \_\_\_\_\_ Top Depth / \_\_\_\_\_ Bottom Depth  
Surface:

N/A

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