

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: 4/30/2012
API #: 47-033-05570

Farm name: Flanigan, Robert A. & Ruth Ann Operator Well No.: Harbert Unit 1H

LOCATION: Elevation: 1161' Quadrangle: Wolf Summit

District: Eagle County: Harrison
Latitude: 5,760 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 10,719 Feet West of 80 Deg. 22 Min. 30 Sec.

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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" 54.5#	450'	450'	625 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2636'	2636'	1073 Cu. Ft. Class A
Date Permit Issued: 08/30/2011	5 1/2" 20#	14,295'	14,295'	3493 Cu. Ft. Class H
Date Well Work Commenced: 11/17/2011				
Date Well Work Completed: 2/15/2012	2-3/8" 4.7#	7,213'		
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): 7,056' TVD (deepest point drilled)				
Total Measured Depth (ft): 14,295 MD, 6,998' TVD (BHL)				
Fresh Water Depth (ft.): *None available	*Due to air drilling, Antero was unable to identify accurate fresh water and/or coal depths for reporting.			
Salt Water Depth (ft.): 800'				
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) 7,013' TVD (Top)

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

Final open flow 9,437 MCF/d Final open flow N/A Bbl/d

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

Static rock Pressure 3300 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.

Ashtley Michael
Signature

4-30-12
Date

08/24/2012

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,
Compensated Neutron/Photo Density/Dual Laterolog, Gamma Ray/Array Induction/Temperature.

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: 7,284'-14,227' MD

Frac'd w/ 11,000 gals 15% HCL Acid, 167,110 bbls Slick Water carrying 770,300# 100 mesh
3,629,800# 40/70 and 2,420,600# 20/40 sand.

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Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
Benson	4578'		4881'
Alexander	4882'		5081'
Elk	5082'		6342'
Sycamore	6343'		6799'
Tully	6800'		6929'
Hamilton	6930'		7012'
Marcellus	7013'		7056' TVD