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: 3/3/2011
API #: 47-033-05358
UPDATED: 4/20/12

Farm name: Five H. Investments, LLC Operator Well No.: Hornor Unit 2H

LOCATION: Elevation: 1225' Quadrangle: Wolf Summit

District: Coal County: Harrison
Latitude: 7968 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 13,526 Feet West of 80 Deg. 22 Min. 30 Sec.

Company: Antero Resources Appalachian Corp

Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 51#	40'	40'	59 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 54# & 48#	919'	919'	1260 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2446'	2446'	1026 Cu. Ft. Class A
Date Permit Issued: 11/19/2009	5-1/2" 20#	12749'	12749'	3132 Cu. Ft. Class H
Date Well Work Commenced: 5/6/2010				
Date Well Work Completed: 12/7/2010	2-3/8" 4.7#	7056'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7081' TVD (deepest point drilled)				
Total Measured Depth (ft): 12749' MD, 7081' 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) NO, *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) 7010' TVD (Top)
Gas: Initial open flow ------ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1800 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 3378 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.

Signature

4-2012
Date

05/04/2012

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 - 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: 7391' - 12,685' MD (864 holes)

Frac'd w/4,024 gals 15% HCL Acid, 99,767 bbls Slick Water carrying 466,020# 100 mesh, 2,312,280# 40/70 and 1,372,260# 20/40 sand.

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

Formations Encountered: Surface:	Top Depth	/ Bottom Depth
Big Injun	1522'	2430'
Fifth Sandstone	2431'	3120'
Speechley	3121'	3346'
Balltown	3347'	3926'
Bradford	3927'	4456'
Benson	4457'	4757'
Alexander	4758'	4983'
Elk	4985'	6293'
Sycamore	6294'	6795'
Tully	6796'	6923'
Hamilton	6924'	7009'
Marcellus	7010'	7081' TVD

05/04/2012