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:	11/13/2012	
API #:	47-033-05603	

Farm name: Patrick Cunningham		Operator Well No.: Plant Unit 1H				
LOCATION: Elevation: 1312			Quad	Irangle: Wolf Sun	mit, WV 7.5'	
District: Coal			Cour	aty: Harrison		
Latitude: 2,639	Feet South of 39	Deg.		Min. 00	Sec.	
Longitude 10.410	Feet West of 80	Dec	25	Min 00		

Antero Resources Appalachian Corp Company: Casing & Used in Left in well Cement fill 1625 17th Street Address: **Tubing** drilling up Cu. Ft. Denver, CO 80202 20" 94# 40' 40' 38 Cu. Ft. Class A **CT Corporation System** 508' 706 Cu. Ft. Class A 13-3/8" 55# 508' Agent: 2,420' **Tristan Jenkins** 9-5/8" 36# 2,420' 985 Cu. Ft. Class A Inspector: Date Permit Issued: 3/26/2012 5-1/2" 20# 13,454' 13,454' 3325 Cu. Ft. Class H Date Well Work Commenced: 4/15/2012 7/20/2012 2-3/8" 4.7# 7266' Date Well Work Completed: N/A Verbal Plugging: N/A Date Permission granted on: Rotary Cable Rig Total Vertical Depth (ft): 7274' (deepest point drilled) Total Measured Depth (ft): 13454' MD, 7192' TVD (BHL) Fresh Water Depth (ft.): 274' Salt Water Depth (ft.): est. 1148' Is coal being mined in area (N/Y)? No Coal Depths (ft.): est. 136', 168' Void(s) encountered (N/Y) Depth(s) N, N/A

Producing formation Marcellu Gas: Initial open flow				(/ / / / / /			
Final open flow 3772	_	<u> </u>	Bbl/d				
Time of open flow between		•					
Static rock Pressure 3300	psig (su	rface pressure) after	Hours				
					m		0
Second producing formation		Pay zone dep	th (ft)		7	\equiv	<u> </u>
Gas: Initial open flow	_MCF/d	Oil: Initial open flow	Bbl/d		IRON	7	OFFICI B
Final open flow	MCF/d	Final open flow	Bbl/d		李	乭	活路
Time of open flow between	en initial a	nd final tests	Hours		南岛	455a	46
Static rock Pressure			Hours		A PRO	0	02
						-	=
ify under penalty of law that I	have pers	onally examined and an	n familiar with the	e information s	ubmitted on	this do	cungat

11/23/2012

Wan and all 0 V	X						
Were core samples taken? Yes	No. Were cutting	gs caught during drilling? YesNoX					
Were Electrical, Mechanical or Geophysi	ical logs recorded on this well? If yes, 1	please list CBL					
This is a subsequent well. Antero only runs wireline logs on the	first well on a multi-pad (Haney Unit 1H API# 47-033-05427). P	Please reference wireline logs submitted with Form WR-35 for Haney Unit 1H.					
NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALENCE OF STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMAT 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 Stimu	ılating:						
Perforations: 7,390'-13,389' (1056	· · · · · · · · · · · · · · · · · · ·						
Frac'd w/ 8,000 gals 15% HCL A	cid, 113,675 bbls Slick Water ca	arrying 614,900# 100 mesh,					
2,282,900# 40/70 and 1,201,100#	‡ 20/40 sand.						
Plug Back Details Including Plug Type a	nd Depth(s): N/A						
	· · / IV/A						
Formations Encountered:	Top Depth	/ Bottom Depth					
Surface:							
Sand/silt/shale	0	3,498'					
Balltown	3,499'	3,961'					
Bradford	3,962'	4,634					
Benson	4,635'	4,931					
Alexander ·	4,932'	5,149					
Elk	5,150'	5,606					
Rhinestreet	5,607'	6,468					
Sycamore SS	6,469'	6,919					
Burket	6,920'	6,948					
Tully	6,949'	7,078					
Hamilton	7,079'	7,169					
Marcellus	7,170'	7,271'					
Onondaga	, 7,272'	7,274' TVD					



051 12011

WELL NAME: Plant Unit 1H

API #: 47-033-05603

Antero Resources Appalachian Corporation Addendum to Form WR-35 - List of Additives Actually Used for Fracturing Or Stimulating Well

ADDITIVES	CHEMICAL ABSTRACT SERVICE NUMBER (CAS #)
AI-2	Mixture
Ethylene Glycol Monobutyl Ether	
(2-Butoxyethanol)	111-76-2
Propargyl Alcohol	107-19-7
Isopropanol (Isopropyl Alcohol)	67-63-0
Proprietary Blend	Proprietary
EB-4L (Ethylene Glycol)	107-21-1
Hydrochloric Acid	7647-01-0
KR-153-SL	Unknown/Unavailable
LSG-100	Unknown/Unavailable
OB-2	Unknown/Unavailable
PH-15L	Unknown/Unavailable
Super TSC LT	Unknown/Unavailable
WFR-3B	Mixture
Petroleum distillate hydrotreated	64742-47-8
Mineral Spirits	8052-41-3
Propylene Glycol	57-55-6
Ethoxylated Alcohols	68551-12-2