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:	2/3/2012
API#:	47-033-05554

Farm name: Matheny, C. Norman & Wandel	Operator Well No.: Hawker Unit 2H				
LOCATION: Elevation: 1273'	Quadrangle: West Milford				
District: Union	County: Harrison				
Latitude: 3827 Feet South of 39 Deg.		.00 Sec	<u> </u>	<del></del>	
Longitude 973 Feet West of 80 Deg.					
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" 94#	40'	40'	38 Cu. Ft. Class A	
Agent: CT Corporation System	13-3/8° 54.5#	501'	501'	696 Cu. Ft.Class A	
Inspector: Tristan Jenkins	9-5/8" 36#	2,458'	2,458'	1001 Cu. Ft. Class A	
Date Permit Issued: 6/8/2011	5-1/2" 20#	15,712'	15,712'	3934 Cu. Ft. Cless H	
Date Well Work Commenced: 6/12/2011					
Date Well Work Completed: 11/16/2011	2 3/8" 4.7#	7192'			
Verbal Plugging: N/A	Cement Plug	Тор:	Bottom:		
Date Permission granted on: N/A		800'	1100'	1418 Cu. Ft. Class A	
Rotary Cable Rig		_			
Total Vertical Depth (ft): 7030' TVD (deepest po	(bellinb trik				
Total Measured Depth (ft): 15712' MD, 7030' TVI	(BHL)				
Fresh Water Depth (ft.): 40'					
Salt Water Depth (ft.): 560', 1216', 1330', 2125'					
Is coal being mined in area (N/Y)? No	,				
Coal Depths (ft.): *None available			as unable to ide	ntify	
Void(s) encountered (N/Y) Depth(s) N, N/A	accurate coal	depths for repo	rting.		
				<del></del>	
OPEN FLOW DATA (If more than two producing formatic Producing formation Marcellus Pay 2	ons please includ zone depth (ft) 6			neet)	
Gas: Initial open flow MCF/d Oil: Initial open fl					
Final open flow 12,308 MCF/d Final open flow					
Time of open flow between initial and final tests NA					
Static rock Pressure 3200 psig (surface pressure) af		s	AUI.	V 0 6 2012	
Second producing formation Pay 201	ne depth (ft)				
Gas: Initial open flow MCF/d Oil: Initial open fl	- ' -	 Vd	MAA NO	paireniof	
- <u> </u>					
Time of open flow between initial and final tests Hours					
Static rock Pressurepsig (surface pressure) af	terHours	}			
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.					
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Were core samples taken? Yes	No <u>X</u> v	Vere cuttings caught during drill	ing? YesNo_X
Were Electrical, Mechanical or Geophys	ical logs recorded on this we	ll? If yes, please list Yes - Comen	t Bond Log/Gamma Ray/CCL Log
This is a subsequent well. Antero only runs wheting logs on the fil	at well on a multi-wall part (Haarker Unit 1H AP	# 47-033-03683). Plazza reference wheline logs eut	mitted with Form WIR-35 for Hemiter Unit 1H.
NOTE: IN THE AREA BELOW FRACTURING OR STIMULATING DETAILED GEOLOGICAL RECO COAL ENCOUNTERED BY THE W	, PHYSICAL CHANGE, E RD OF THE TOPS ANI	TC. 2). THE WELL LOG WI D BOTTOMS OF ALL FOR	HICH IS A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimu	lating:		
Perforations: 7,722' - 15,729' MD			
Frac'd w/ 6,250 gals 15% HCI Ac	id, 142,614 bbls Slick \	Nater carrying 586,100#1	100 mesh,
2,679,500# 40/70 and 1,733,100#	20/40 sand.		- Contraction -
	TOTAL CONTRACTOR OF THE PARTY O		
Plug Back Details Including Plug Type a	nd Depth(s): N/A		
E-making P		,	
Formations Encountered: Surface:	Top Depth		Bottom Depth
**Sycamore	6158'		6743'
Tully	6744'		6869'
Hamilton	6870'		6948'
Marcellus	6949'		7030' TVD
**Antero only runs wireline loge on the first well on a n			
Therefore, we are unable to accurately Identify formation tops is	om surface, Please reference the addition	al formation lops submitted on Form WR-35 for	She Hawker Unit 1H APM 47-033-05553.
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			Profession