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:	11/20/2012
API#:	47-033-05596

Farm name: Williams, Betty Ann	Operator Well No.: Andrews Unit 1H Quadrangle: Wolf Summit			April Server of the server of	
LOCATION: Elevation: 1215'				<u> </u>	
District: Tennile	County: Harrison		F g		
Latitude: 3,395 Feet South of 39 Deg.			· ·		
Longitude 8.860 Feet West of 80 Deg.		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" 94#	67'	67'	64 Cu. Ft Class A	
Agent: CT Corporation System	13-3/8" 54.5#	502'	502'	697 Cu. Ft. Class A	
Inspector: Tristan Jenkins	9-5/8" 36#	2587'	2587'	1053 Cu. Ft. Class A	
Date Permit Issued: 5/17/2012	5-1/2" 20#	14,552'	14,552'	3576 Cu. Ft. Class H	
Date Well Work Commenced: 5/19/2012					
Date Well Work Completed: 9/9/2012	2-3/8" 4.7#	7058'			
Verbal Plugging: N/A					
Date Permission granted on: N/A					
Rotary Cable Rig					
Total Vertical Depth (ft): 7,065' TVD					
Total Measured Depth (ft): 14,552' MD					
Fresh Water Depth (ft.): 136', 207', 297'					
Salt Water Depth (ft.): None					
Is coal being mined in area (N/Y)? No					
Coal Depths (ft.): 116', 196', 221'				,	
Void(s) encountered (N/Y) Depth(s) No, N/A					
Gas: Initial open flow —— MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests N/A Static rock Pressure 3600 psig (surface pressure) after the surface pressure of the surface pressur	one depth (ft) 6 OW N/A Bb Hours Hours de depth (ft) 8 Bb Hours Hours Hours	5,940' TVD (To 1/d /d s s 1/d	ata on separate s op)	heet)	

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

Were core samples taken? Yes	No_X Wer	e cuttings caught during drilling? Yes	No_X
Were Electrical, Mechanical or Geoph	ysical logs recorded on this well?	If yes, please list Yes - CBL.	
or a series and series and series	re trac well on a multi-pad (Post East Unit 5H API# 47-03	11 yes, piease list 163 — ODL. 13-05560). Please reference wireline logs submitted with Form WR-3	5 for Post East Unit 5H.
	ORD OF THE TODE AND D	1). DETAILS OF PERFORATED 2.2). THE WELL LOG WHICH IS A SOUTTOMS OF ALL FORMATIONS, E TO TOTAL DEPTH.	
Perforated Intervals, Fracturing, or Stin	nulating:		
Perforations: 7099'-14,487' MD	(1596 holes)		
		ater carrying 776,059# 100 mesh	
2,936,779# 40/70 and 1,765,469	2# 20/40 cand	ator carrying 176,059# 100 mesh	
	7 20/40 Saliu.		·
Disc Deals Deal Deal Total			
Plug Back Details Including Plug Type	and Depth(s): N/A		
			·
Formations Encountered:	True Double		
Surface:	Top Depth	/ Bottom I	<u>Depth</u>
Dig time (act)			
Big Lime (est.) Fifty Foot Sand (est.)	1,586'	2,120'	
Sordon (est.)	2,121'	2,2 47 ¹	
Fifth Sandstone (est.)	2,248'	2,532'	
· · · · · · · · · · · · · · · · · · ·	2,533'	2,583'	
Bayard (est.)	2,584'	3,239'	
Speechley (est.)	3,240'	3,467'	
Balltown (est.)	3,468'	4,001'	
Bradford (est.)	4,002'	4,578'	
enson (est.)	4,579'	4,871'	
lexander (est.)	4,872'	5,100'	
lk (est.)	5,101'	5,628'	
hinestreet (est.)	5,629'	6,297'	
ycamore (est.)	6,298'	6,554'	
1 iddlesex	6,555'	6,558 ^t	
onyea	6,559'		
Vest River Shale	6.631'	6,630'	

6,631'

6,684'

6,721'

6,747'

6,940'

Genundewa

Burket

Marcellus

Tully

6,683'

6,720'

6,746

6,939'

7,065' TVD

DEC 3 2013

WELL NAME: Andrews Unit 1H

API #: 47-033-05596

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 #)
WFRA-405	Mixture
Sodium Chloride	7647-14-5
Ammonium Chloride	12125-02-9
Petroleum Distillate Hydrotreated	64742-47-8
Alcohols, C12-16, Ethoxylated	68551-12-2
SI-1000	Mixture
Ethylene Glycol	107-21-1
Sodium Polyacrylate Copolymer	25987-30-8
Bioclear 2000 (2,2-Dibromo-3-Nitriloropionamide)	10222-01-2
LGC-15	Unknown/Unavailable
API-1 (Ammonium Persulfate)	7727-54-0
Hydrochloric Acid	7647-01-0
Water	7732-18-5
AI-300	Mixture
Ethylene Glycol	107-21-1
Ethoxylated Nonylphenol	68412-54-4
Isopropanol (Isopropyl Alcohol)	67-63-0
1-Decanol	112-30-1
1-Octanol	111-87-5
2-Butoxyethanol	111-76-2
Triethyl Phosphate	78-40-0
Cinnamaldehyde	104-55-2
N,N-Dimethylformamide	68-12-2
Tar Bases, Quinoline Derivs, benzyl chloride-quaternized	72480-70-7