

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: 11/26/2012
API #: 47-033-05629

Farm name: Sperry, Clarence Operator Well No.: Boring Unit 1H

LOCATION: Elevation: 1166' Quadrangle: West Milford

District: Union County: Harrison
Latitude: 10,004 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 1098 Feet West of 80 Deg. 25 Min. 00 Sec.

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" 48#	547'	547'	760 Cu. Ft. Class A
Inspector: Tristan Jenkins	9 5/8" 36#	2,580'	2,580'	1050 Cu. Ft. Class A
Date Permit Issued: 6/26/2012	5 1/2" 20#	16364'	16364'	4077 Cu. Ft. Class H
Date Well Work Commenced: 7/2/2012				
Date Well Work Completed: 8/31/2012	2 3/8" 4.7#	6599'		
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): 6895' TVD				
Total Measured Depth (ft): 16,374' MD, 6,888 TVD (BHL)				
Fresh Water Depth (ft.): est. 102'				
Salt Water Depth (ft.): 843'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None				
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) 6863' TVD (Top)

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

Final open flow 13483 MCF/d Final open flow N/A Bbl/d

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

Static rock Pressure 3600 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.

Shanna Pedican
Signature

11/26/12
Date

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 CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Scott Unit 3H API# 47-033-05503). Please reference wireline logs submitted with Form WR-35 for Scott Unit 3H.

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: 7,135'-16,299' (1848 holes)

Frac'd w/ 15,162 gals 15% HCL Acid, 188,594 bbls Slickwater carrying 981,020# 100 mesh, 3,552,180# 40/70 sand and 2,206,673# 20/40 sand.

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	1,436'	1,551'
Big Injun	1,552'	1,859'
Gantz Sand	1,860'	1,963'
Fifty Foot Sand	1,964'	2,104'
Gordon	2,105'	2,369'
Fifth Sandstone	2,370'	3,069'
Speechley	3,070'	3,293'
Balltown	3,294'	3,800'
Bradford	3,801'	4,398'
Benson	4,399'	4,770'
Alexander	4,771'	4,993'
Elk	4,994'	5,639'
Rhinestreet	5,640'	6,204'
Sycamore SS	6,205'	6,277'
Sonyea	6,278'	6,549'
West River	6,550'	6,643'
Burket	6,644'	6,670'
Tully	6,671'	6,788'
Hamilton	6,789'	6,862'
Marcellus	6,863'	6,895' TVD

RECEIVED

DEC 4 2014

WV GEOLOGICAL SURVEY
1000 UNIVERSITY AVENUE
MARTINSBURG, WV 26102

WELL NAME: Boring Unit 1H

API #: 47-033-05629

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-Nitrilopropionamide)	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