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: 4/22/13
API #: 47-017-06126

Farm name: Erwin, John Operator Well No.: Erwin Unit 2HA

LOCATION: Elevation: 1,223' Quadrangle: New Milton 7.5'

District: New Milton County: Doddridge
Latitude: 232' Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 10,962' Feet West of 80 Deg. 42 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" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 48#	421'	421'	585 Cu. Ft. Class A
Inspector: Douglas Newlon	9-5/8" 36#	2,549'	2,549'	1038 Cu. Ft. Class A
Date Permit Issued: 8/29/2012	5-1/2" 20#	16,303'	16,303'	4055 Cu. Ft. Class H
Date Well Work Commenced: 10/8/12				
Date Well Work Completed: 2/4/2013	2-3/8" 4.7#	7319'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7269' TVD				
Total Measured Depth (ft): 16,303' MD				
Fresh Water Depth (ft.): 233'				
Salt Water Depth (ft.): 1804'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None Reported				
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) 7,128' TVD (Top)
Gas: Initial open flow ----- MCF/d Oil: Initial open flow N/A B
Final open flow 5,933 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 3950 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

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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.

Kellie Klett 5/2/13
Signature Date

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes_____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes- CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Tom's Fork Unit 2H API#47-017-06082). Please reference the wireline logs submitted with Form WR-35 for Tom's Fork Unit 2H.

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: 7384' - 16,237' MD (1,872 holes)

Frac'd w/ 13,000 gals 15% HCL Acid, 192,759 bbls Slick Water carrying 950,500# 100 mesh,

3,601,500# 40/70 sand and 1,807,400# 20/40 sand.

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

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
Big Lime	est.2251'		2343'
Big Injun	est. 2344'		2750'
Fifty Foot Sandstone	est. 2751'		2948'
Gordon	est. 2949'		3306'
Fifth Sandstone	est. 3307'		4131'
Balltown	est. 4132'		4771'
Bradford	est. 4772'		5230'
Benson	est. 5231'		5487'
Alexander	est. 5488'		6729'
Sycamore	6730'		6881'
Middlesex	6882'		7024'
Burket	7025'		7056'
Tully	7057'		7127'
Marcellus	7128'		7269' TVD