

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: 6/22/2012
API #: 47-033-05484

Farm name: Coffman, Thelma Operator Well No.: Yates Unit 1H

LOCATION: Elevation: 1171' Quadrangle: Wolf Summit

District: Union County: Harrison
Latitude: 6515 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 14,731' 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" 54.5#	544'	544'	756 Cu. Ft. Class A
Inspector: <u>Tristan Jenkins</u>	9-5/8" 36#	2423'	2423'	987 Cu. Ft. Class A
Date Permit Issued: <u>9/21/2010</u>	5-1/2" 20#	13579'	13579'	3348 Cu. Ft. Class H
Date Well Work Commenced: <u>3/7/2011</u>				
Date Well Work Completed: <u>8/6/2011</u>	2-3/8" 4.7#	7032'		
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>6,967' TVD (Deepest point drilled)</u>				
Total Measured Depth (ft): <u>13,579' MD, 6,967 TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>40', 279'</u>				
Salt Water Depth (ft.): <u>1186'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>*None available</u>				
Void(s) encountered (N/Y) Depth(s) <u>N, N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,821' TVD (Top)

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

Final open flow 8,665 MCF/d Final open flow N/A Bbl/d

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

Static rock Pressure 3200 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.

Andrei Mikalci
Signature

6-22-12
Date

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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- Cement Bond Log/Gamma Ray/CCL Log, Photo Density/Compensated Neutron/Gamma Ray and Dual Laterlog/Density Caliper/Gamma Ray

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: 7,195' - 13,514' MD

Frac'd w/ 5,250 gals 15% HCL Acid, 110,366 bbls Slick Water carrying 471,300# 100 mesh, 2,258,000# 40/70 and 1,451,600# 20/40 sand.

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

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Big Lime	1367'	1893'
Fifty Foot Sandstone	1894'	2036'
Gordon	2037'	2299'
Fifth Sandstone	2300'	2349'
Bayard	2350'	3000'
Speechley	3001'	3218'
Balltown	3219'	3770'
Bradford	3771'	4369'
Benson	4370'	4676'
Alexander	4677'	4899'
Elk	4900'	5448'
Rhinestreet	5449'	6124'
Sycamore	6125'	6201'
Sonyea	6202'	6481'
West River	6482'	6542'
Genundewa	6543'	6582'
Burket Shale	6583'	6610'
Tully	6611'	6739'
Hamilton	6740'	6820'
Marcellus	6821'	6967' TVD