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: 4/2/13
API #: 47-033-05615

RECEIVED
APR 22 2013
WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Farm name: Bowyer, Mathew E. and Lisa D. Operator Well No.: Winnie Unit 2H

LOCATION: Elevation: 1290' Quadrangle: West Milford

District: Union County: Harrison
Latitude: 8,944' Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 2,350' Feet West of 80 Deg. 27 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#	330'	330'	458 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2446'	2446'	996 Cu. Ft. Class A
Date Permit Issued: 6/28/2012	5-1/2" 20#	15,753'	15,753'	3944 Cu. Ft. Class H
Date Well Work Commenced: 6/30/2012				
Date Well Work Completed: 1/13/2013	2-3/8" 4.7#	7,328'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7143' TVD(deepest point drilled)				
Total Measured Depth (ft): 7,058' TVD , 15,753' MD (BHL)				
Fresh Water Depth (ft.): 180'				
Salt Water Depth (ft.): None available				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 18', 178', 258', 298'				
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) 7,092' TVD (Top)
Gas: Initial open flow ------ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 9,090 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.

Signature

4/16/13
Date

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

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes- CBL, Dual Laterolog / Gamma Ray, and Photo Density / Compensated Neutron / 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: 7,319' - 15,687' MD (1,800 holes)

Frac'd w/ 13,104 gals 15% HCL Acid, 177,773 bbls Slick Water carrying 899,820# 100 mesh,

3,419,595# 40/70 sand and 2,038,000# 20/40 sand.

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

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
Big Lime	1748'		1856'
Big Injun	1857'		2107'
Gantz Sand	2108'		2223'
Fifty Foot Sandstone	2224'		2329'
Gordon	2330'		2564'
Fifth Sandstone	2565'		2627'
Bayard	2628'		3311'
Speechley	3312'		3557'
Balltown	3558'		4082'
Bradford	4083'		4708'
Benson	4709'		4923'
Alexander	4924'		5064'
Elk	5065'		5627'
Rhinestreet	5628'		6448'
Sycamore	6449'		6710'
Middlesex	6711'		6879'
Burket	6880'		6906'
Tully	6907'		7019'
Hamilton	7020'		7091'
Marcellus	7092'		7143' TVD