

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: 9/4/2012
API #: 47-033-05465

Farm name: Lowe, Francis and Nancy Operator Well No.: Wagner Unit 1H

LOCATION: Elevation: 1214' Quadrangle: West Milford

District: Union County: Harrison
Latitude: 8777' Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 597 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" 55#	534'	534'	742 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2438'	2438'	993 Cu. Ft. Class A
Date Permit Issued: 09/08/2010	5-1/2" 20#	13,536'	13,536'	3338 Cu. Ft. Class H
Date Well Work Commenced: 1/6/2011		Top	Bottom	
Date Well Work Completed: 5/18/2011	Cmt Plug	6355'	6555'	100 Cu. Ft. Class A
Verbal Plugging: N/A				
Date Permission granted on: N/A	2-3/8" 4.7#	7019'		
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7067' TVD (deepest point drilled)				
Total Measured Depth (ft): 13,537' MD, 7067' TVD (BHL)				
Fresh Water Depth (ft.): 40'	*Due to air drilling, Antero was unable to identify accurate salt water and coal depths for reporting.			
Salt Water Depth (ft.): *None available				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): *None available				
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) 6894' TVD (Top)

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

Final open flow 8031 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

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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]
Signature

9/4/12
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 Yes - Cement Bond Log/Gamma Ray/CCL Log
Compensated Neutron/Photo Density/Dual Laterolog, Gamma Ray/Array Induction/Temperature

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: 7117' - 13,468' MD

Frac'd w/ 5,000 gals 15% HCL Acid, 110,258 bbls Slick Water carrying 444,600# 100 mesh,
2,057,500# 40/70 and 1,217,800# 20/40 sand.

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

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MORGANTOWN, WV

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			
Big Lime	1453'		1972'
Fifty Foot S.S.	1973		2115
Gordon	2116		2382
Fifth Sandstone	2383		2435
Bayard	2436		3089
Speechley	3090		3305
Balltown	3306		3815
Bradford	3816		4482
Benson	4483		4786
Alexander	4787		5013
Elk	5014		5541
Rhinestreet	5542		6225
Sycamore	6226		6303
Sonyea	6304		6500
Middlesex	6501		6567
West River	6577		6632
Genundewa	6633		6661
Burket	6662		6689
Tully	6690		6814
Hamilton	6815		6893
Marcellus	6894		7040' TVD