

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				RECEIVED Office of Oil & Gas
Coal Depths (ft.): *None available				
Void(s) encountered (N/Y) Depth(s) N, N/A				

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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

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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]
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.

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	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