

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: 7/25/2013  
API #: 47-033-05616

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WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

Farm name: Mountain Lakes Limited Operator Well No.: Lewis Unit 3H

LOCATION: Elevation: 1386' Quadrangle: West Milford

District: Union County: Harrison  
Latitude: 3.182' Feet South of 39 Deg. 15 Min. 00 Sec.  
Longitude 9.638' Feet West of 80 Deg. 27 Min. 30 Sec.

Company: Antero Resources Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	44'	44'	42 Cu Ft. Class A
Agent: CT Corporation System	13 3/8" 48#	545'	545'	757 Cu Ft. Class A
Inspector: <b>Sam Ward</b>	9 5/8" 36#	2667'	2667'	1,086 Cu Ft. Class A
Date Permit Issued: 5/22/2012	5 1/2" 20#	14,912'	14,912'	3,645 Cu Ft. Class H
Date Well Work Commenced: 12/22/2012				
Date Well Work Completed: 4/29/2013	2 3/8" 4.7#	7353'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7167' TVD (deepest point drilled)				
Total Measured Depth (ft): 14,912' MD, 7129' TVD (BHL)				
Fresh Water Depth (ft.): 280'				
Salt Water Depth (ft.): None Available				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 191', 274', 306'				
Void(s) encountered (N/Y) Depth(s) None				

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

Producing formation Marcellus Pay zone depth (ft) 7131' (Top)

Gas: Initial open flow --- MCF/d Oil: Initial open flow --- Bbl/d

Final open flow 12,960 MCF/d Final open flow --- Bbl/d

Time of open flow between initial and final tests --- 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.

Kaitlin Buck  
Signature

12/4/2013  
Date

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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 logs on the first well on a multi-well pad (Kermit Unit 3H AP# 47-033-05591). Please reference the wire line logs submitted with form WR-35 for Kermit Unit 3H.

**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:

Perforated: 7,404'- 14,857' (1,368 Holes)

Frac'd w/ 10,000 gals 15% HCL acid, 202,771 bbls Slick Water carrying 1,124,300# mesh,  
4,255,000# 40/70 sand and 2,483,300 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	1772'	1868'
Big Injun	1869'	2153'
Gantz Sand	2154'	2257'
Fifty Foot Sandstone	2258'	2348'
Gordon	2349'	2670'
Fifth Sandstone	2671'	2711'
Bayard	2712'	3371'
Speechley	3372'	3635'
Balltown	3636'	4113'
Bradford	4114'	4700'
Benson	4701'	4895'
Alexander	4896'	6472'
Sycamore	6473'	6818'
West River	6819'	6910'
Burkett	6911'	6942'
Tully	6943'	7058'
Hamilton	7059'	7130'
Marcellus	7131'	7167' TVD