

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 #: 47-033-05609

Farm name: Mountain Lakes Limited Operator Well No.: Lewis Unit 2H

**RECEIVED**

LOCATION: Elevation: 1386' Quadrangle: West Milford

DEC - 6 2013

District: Union County: Harrison  
Latitude: 3,191' Feet South of 39 Deg. 15 Min. 00 Sec.  
Longitude 9,634' Feet West of 80 Deg. 27 Min. 30 Sec.

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

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#	2,625'	2,625'	1,069 Cu Ft. Class A
Date Permit Issued: <u>5/29/2012</u>	5 1/2" 20#	12,062'	12,062'	2,875 Cu Ft. Class H
Date Well Work Commenced: <u>12/22/2012</u>				
Date Well Work Completed: <u>4/22/2013</u>	2 3/8" 4.7#	7296'		
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>7189' TVD (Deepest Point Drilled)</u>				
Total Measured Depth (ft): <u>12,062' MD, 7148' TVD (BHL)</u>				
Fresh Water Depth (ft.): <u>280'</u>				
Salt Water Depth (ft.): <u>None Available</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>191', 274', 306'</u>				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7148 (TOP)

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

Final open flow 7445 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 Bugk  
Signature

12/4/2013  
Date

Jarvisville (151) 6-6

RECEIVED

DEC - 6 2013

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, CBL

This is a subsequent well. Antero only runs logs on the first well on a multi-well pad (Kermit Unit 3H AP# 47-033-05581). Please reference the wireline 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:

Perforations: 7,349'-12,007' (1008 Holes)

Frac'd w/ 7,500 gals 15% HCL acid, 98,418 bbls Slick Water carrying 512,200# 100 mesh,  
1,969,700# 40/70 sand and 1,051,100# 20/40 sand.

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

Formations Encountered: <u>Surface:</u>	Top Depth	/	Bottom Depth
--	-----------	---	--------------

Big Lime	1737'		1839'
Big Injun	1840'		2131'
Gantz Sand	2132'		2224'
Fifty Foot Sandstone	2225'		2311'
Gordon	2312'		2637'
Fifth Sandstone	2638'		2698'
Bayard	2699'		3338'
Speechley	3339'		3589'
Balltown	3590'		4081'
Bradford	4082'		4665'
Benson	4666'		4879'
Alexander	4880'		6476'
Sycamore	6477'		6836'
West River	6837'		6929'
Burkett	6930'		6960'
Tully	6961'		7069'
Hamilton	7070'		7147'
Marcellus	7148'		7189' TVD