

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: November 8, 2011
API #: 47-103-02553
REVISED

Farm name: Wheeling Jesuit University Operator Well No.: Lantz-Mills Unit 2 #3H

LOCATION: Elevation: 764' Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 6,760 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 6,500 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: Stone Energy Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>6000 Hampton Center, Suite B</u> <u>Morgantown, WV 26505</u>	<u>20"</u>	<u>24'</u>	<u>24'</u>	<u>Sanded in</u>
Agent: <u>Tim McGregor</u>	<u>13-3/8"</u>	<u>622'</u>	<u>622'</u>	<u>517</u>
Inspector: <u>David Scranage</u>	<u>9-5/8"</u>	<u>2,214'</u>	<u>2,214'</u>	<u>938</u>
Date Permit Issued: <u>02/26/2010</u>	<u>5 1/2"</u>		<u>11,650'</u>	<u>3,098</u>
Date Well Work Commenced: <u>03/21/2010</u>	<u>2-3/8"</u>		<u>7,337</u>	<u>None</u>
Date Well Work Completed: <u>03/24/2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Vertical Depth (ft): <u>6,723</u>				
Total Measured Depth (ft): <u>11,711</u>				
Fresh Water Depth (ft.): <u>24</u>				
Salt Water Depth (ft.): <u>1,340</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>490</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) 7,338' MD to 11,454' MD

Gas: Initial open flow 1217 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 4261 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 335 Hours

Static rock Pressure 3116 psig (surface pressure) after 12.5 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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Environmental Protection

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.

W. J. [Signature]
Signature

11/8/2011
Date

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X No _____

Were Y Electrical, N Mechanical, Y or Geophysical logs recorded on this well?
Y/N Y/N Y/N

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 interval from 7,338' MD to 11,454' MD.

Performed an 11 stage slick water frac. Injected 21,000 gal 15% HCl, 3,108 gal 28% HCl, 4,935,079 gal fresh water, 1,038,860 lbs 100 Mesh sand, and 3,695,340 lbs of 40/70 Mesh sand.

Average injection rate was 74.4 BPM

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface: _____

Formations encountered are located on a separate page.

Stone Energy Corporation
Lantz-Mills Unit 2 #3H (API # 47-103-02553)
WR-35 Well Operator's Report of Well Work
Formations Encountered

	Top		Bottom		
	TVD (ft)	MD (ft)	TVD (ft)	MD (ft)	
Sandstone and Shale	0 *		490 *		
Pittsburgh Coal	490 *		494 *		
Sandstone and Shale	494 *		1685 *		
Little Lime	1685 *		1705 *		
Sandstone and Shale	1705		1715 *		
Big Lime	1715 *		1860 *		
Big Injun	1860 *		1944 *		
Shale	1944 *		2135 *		
Weir	2135 *		2137 *		
Shale	2137 *		2346 *		
Berea	2346 *		2366 *		
Shale	2366 *		2550 *		
Gordon	2550 *		2650 *		
Shale	2650 *		4853 *		
Riley Shale	4853 *		4908 *		
Shale	4908 *		4960 *		
Benson	4960 *		4690 *		
Shale	4990 *		5208 *		
Pipe Creek Shale	5208 *		5211 *		
Shale	5211 *		5217 *		
Lower Alexander Shale	5217 *		5329 *		
Shale	5329 *		6141 ~		6160
Rhinestreet Shale	6141 ~	6160	6382 ~		6450
Cashaqua Shale	6382 ~	6450	6535 ~		6670
Middlesex Shale	6535 ~	6670	6564 ~		6717
West River Shale	6564 ~	6717	6655 ~		6880
Geneseo Shale	6655 ~	6880	6670 ~		6912
Tully Limestone	6670 ~	6912	6733 ~		7090
Hamilton Shale	6733 ~	7090	6758 ~		7194
Marcellus Shale	6758 ~	7194	6723 ~		11711
TD	6723 ~	11711			

* Formation elevations estimated from pilot hole.

~ Formation elevations from MWD Gamma Ray