

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

DATE: June 23, 2011  
API #: 47-103-02587

Farm name: Wheeling Jesuit University Operator Well No.: Lantz-Mills Unit 3 #5H

LOCATION: Elevation: 768' Quadrangle: Pine Grove

District: Grant County: Wetzel  
Latitude: 6780 Feet South of 39 Deg. 32 Min. 30 Sec.  
Longitude 6520 Feet West of 80 Deg. 37 Min. 30 Sec.

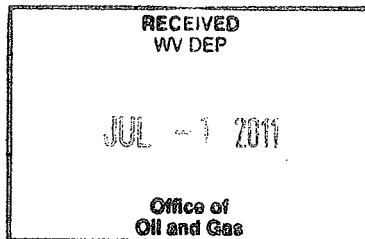
Company: Stone Energy Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
6000 Hampton Center, Suite B Morgantown, WV 26505	20"	24'	24'	Sanded In
Agent: <u>Richard Toothman</u>	13-3/8"	622'	622'	678
Inspector: <u>David Scranage/ Derek Haught</u>	9-5/8"	2152'	2152'	945
Date Permit Issued: <u>02/26/2010</u>	5-1/2"		12712'	3120
Date Well Work Commenced: <u>12/14/2010</u>	2-3/8"		7494'	
Date Well Work Completed: <u>06/17/2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Vertical Depth (ft): <u>6879</u>				
Total Measured Depth (ft): <u>12788</u>				
Fresh Water Depth (ft.): <u>None Reported</u>				
Salt Water Depth (ft.): <u>1224</u>				
Is coal being mined in area (N/Y)? <u>No</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 Shale Pay zone depth (ft) 7735' to 12526'  
Gas: Initial open flow 1039 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 2800 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 392 Hours  
Static rock Pressure 3380 psig (surface pressure) after 14 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.

[Signature]  
Signature

6/27/2011  
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 7,735' MD to 12,526' MD.

Performed an 12 stage slick water frac.

Injected 23,890 gal of 15% HCl, 5,011,908 gal of water, 679,220 lbs of 80/100 Mesh sand, and 4,558,930 lbs of 40/70 Mesh sand.

Average injection rate was 82.6 BPM.

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

\*\* NOTE: See Attached Sheet for Formation Depths

Stone Energy Corporation  
Lantz-Mills Unit 3 #5H (API # 47-103-02587)  
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	
Limestone	1705		1715	
Big Lime	1715 *		1860	
Big Injun sandstone	1860 *		1944	
Shale	1944 *		2135	
Weir sandstone	2135 *		2137	
Shale	2137 *		2346	
Berea sandstone	2346 *		2366	
Shale	2366 *		2550	
Gordon sandstone	2550 *		2650	
Shale	2650 *		4853	
Riley shale	4853 *		4908	
Shale	4908 *		4960	
Benson siltstone	4960 *		4690	
Shale	4990 *		5208	
Pipe Creek shale	5208 *		5211	
Shale	5211 *		5217	
Lower Alexander shale	5217 *		5329	
Shale	5329 *		6140	
Rhinestreet shale	6141	6150	6400	
Cashaqua shale	6390	6438	6535	
Middlesex shale	6550	6690	6560	
West River shale	6570	6715	6652	
Geneseo shale	6656	6940	6673	
Tully limestone	6682	6990	6735	
Hamilton shale	6750	7274	6758	
Marcellus shale	6778	7462	6831	
TD	6879	12788		

\* Formation elevations estimated from pilot hole.