

WR-35
Rev (8-10)

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

DATE: July 11, 2011
API #: 47-103-02551
REVISED

Farm name: Wheeling Jesuit University Operator Well No.: Lantz-Mills Unit 2 #1H

LOCATION: Elevation: 764' Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 6,800 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 6,490 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B Morgantown, WV 26505	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Agent: <u>Tim McGregor</u>	20"	24'	24'	Sanded In
Inspector: <u>David Scranage</u>	13-3/8"	626'	626'	624
Date Permit Issued: <u>02/26/2010</u>	9-5/8"	2,184'	2,184'	1,026
Date Well Work Commenced: <u>03/10/2010</u>	5-1/2"		10,683'	2,724
Date Well Work Completed: <u>08/29/2010</u>	2-3/8"		7,304'	
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Vertical Depth (ft): <u>6,741</u>				
Total Measured Depth (ft): <u>10,680</u>				
Fresh Water Depth (ft.): <u>30</u>				
Salt Water Depth (ft.): <u>1,295</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>475</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) 7,459' MD to 10,298' MD

Gas: Initial open flow 1,172 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 1,845 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 255 Hours

Static rock Pressure 3,056 psig (surface pressure) after 72 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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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.

WJ - [Signature]
Signature

7/12/2011
Date

12/02/2011

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 7,459' MD to 10,298' MD.

Performed an 7 stage slick water frac.

Injected 7,812 gal of 15% HCl, 2,927,273 gal of water, 630,951 lbs of 80/100 Mesh sand, and 2,487,465 lbs of 40/70 Mesh sand.

Average injection rate was 76.1 BPM.

Formations Encountered:	Top Depth	Bottom Depth
Surface:		

** NOTE: See Attached Sheet for Formation Depths

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Stone Energy Corporation
 Lantz-Mills Unit 2 #1H (API # 47-103-02551)
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 Formations Encountered

Formations	Top		Bottom	
	TVD (ft)	MD (ft)	TVD (ft)	MD (ft)
Sandstone and Shale	0 *		475	
Pittsburgh coal	475 *		482	
Sandstone and Shale	482 *		1697	
Little Lime	1697 *		1710	
Sandstone and Shale	1710		1724	
Big Lime	1724 *		1910	
Big Injun sandstone	1910 *		2020	
Shale	2020 *		2346	
Berea sandstone	2346 *		2396	
Shale	2396 *		2550	
Gordon	2550 *		2621	
Shale	2621 *		4853	
Riley shale	4853 *		4927	
Shale	4927 *		4960	
Benson siltstone	4960 *		4990	
Shale	4990 *		5208	
Pipe Creek shale	5208 *		5211	
Shale	5211 *		5217	
Lower Alexander shale	5217 ~		5263	5265
Shale	5263 ~	5265	6131	6160
Rhinestreet shale	6131 ~	6160	6368	6450
Cashaqua shale	6368 ~	6450	6516	6670
Middlesex shale	6516 ~	6670	6545	6717
West River shale	6545 ~	6717	6632	6880
Geneseo shale	6632 ~	6880	6646	6912
Tully limestone	6646 ~	6912	6714	7090
Hamilton shale	6714 ~	7090	6742	7194
Marcellus shale	6742 ~	7194	6741	10680
TD	6741 ~	10680		

* Formation elevations from pilot hole log and Driller's Log
 ~ From KOP elevations taken from Gamma log of MWD tool

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