

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 8, 2011
API #: 47-103-02559
REVISED

Farm name: WV Conservation Commission Operator Well No.: Mills Wetzel #2H

LOCATION: Elevation: 1,331' Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 5,240 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 950 Feet West of 80 Deg. 40 Min. 00 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"	42'	42'	Sanded In
Inspector: <u>Dave Scranage</u>	13-3/8"	1,238'	1,238'	1,179
Date Permit Issued: <u>5/12/2010</u>	9-5/8"	2,762'	2,762'	1,040
Date Well Work Commenced: <u>9/8/2010</u>	5 1/2"		11,195'	3,060
Date Well Work Completed: <u>5/27/2011</u>	2-3/8"		~7,714'	
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Vertical Depth (ft): <u>7,264</u>				
Total Measured Depth (ft): <u>11,234</u>				
Fresh Water Depth (ft.): <u>114</u>				
Salt Water Depth (ft.): <u>1,567</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>1,085</u>				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

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Environmental Protection

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

Producing formation Marcellus Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow _____ MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Information Will Be Provided On A Revised Report Once Obtained

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.

W. A. [Signature]
Signature

7/8/2011
Date

02/24/2012

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 from 8,023' MD to 11,111' MS.

Performed 10 stage Slick Water frac injecting; 22,288 gal 15% HCl, 3,681,531 gal of fresh water, 468,880 lbs of 80/100 Mesh Sand, and 3,402,920 lbs of 40/70 Mesh Sand.

Average injection rate was 78.4 BPM.

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

**See attached sheet for formation tops

Stone Energy Corporation
Mills-Wetzel #2H (API # 47-103-02559)
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Formations Encountered

Formations	Top		Bottom	
	TVD (ft)	MD (ft)	TVD (ft)	MD (ft)
Sandstone and shale	0 *		1085	
Pittsburgh coal	1085 *		1089	
Sandstone and shale	1089 *		2300	
Little Lime	2253 *		2272	
Big Lime	2301 *		2503	
Big Injun sandstone	2503 *		2560	
Shale	2560 *		2713	
Weir sandstone	2713 *		2766	
Shale	2766 *		2897	
Berea sandstone	2897 *		2950	
Shale	2950 *		3128	
Gordon Stray	3128 *		3199	
Shale	3199 *		5418	
Riley shale	5418 *		5492	
Shale	5492 *		5520	
Benson siltstone	5520 *		5550	
Shale	5550 *		5753	
Pipe Creek shale	5753 *		5756	
Shale	5756 *		5765	
Lower Alexander shale	5765 *		5813	
Shale	5877 *		6541	
Rhinestreet shale	6541 ~	6545	6908	6950
Cashaqua shale	6808 ~	6950	7059	7205
Middlesex shale	7059 ~	7205	7076	7240
West River shale	7076 ~	7240	7155	7450
Geneseo shale	7155 ~	7450	7182	7544
Tully limestone	7182 ~	7544	7246	7845
Hamilton shale	7246 ~	7845	7266	8000
Marcellus shale	7266 ~	8000	7264	11234
TD	~			

* Formation elevations from pilot hole log