

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: January 30, 2014
API #: 47-103-02773

JR

Farm name: Denoon Trust, Janie Operator Well No.: Bowyers #8H

LOCATION: Elevation: 1,156' Quadrangle: New Martinsville

District: Magnolia County: Wetzel
Latitude: 13.440 Feet South of 39 Deg. 42 Min. 30 Sec.
Longitude 3.010 Feet West of 80 Deg. 50 Min. 00 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"	80'	80'	GTS
Agent: Tim McGregor	13.375"	1,141'	1,141'	1,042 - CTS
Inspector: Derek Haught	9.625"	2,252'	2,252'	477 Lead - 492 Tail - CTS
Date Permit Issued: 6/21/2012	5.5"		11,385'	932 Lead - 1,850 Tail
Date Well Work Commenced: 11/15/2012	2.375"		6,602'	
Date Well Work Completed: 8/19/2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,432				
Total Measured Depth (ft): 11,390				
Fresh Water Depth (ft.): 90				
Salt Water Depth (ft.): None Reported				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 831				
Void(s) encountered (N/Y) Depth(s) N/A				

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

Producing formation Marcellus Pay zone depth (ft) 6,791' to 11,307'
Gas: Initial open flow 210 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2,100 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 173 Hours
Static rock Pressure 1,722 psig (surface pressure) after 1 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.

W. J. [Signature]
Signature

1/30/2014
Date

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Were core samples taken? Yes _____ No
Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MWD Gamma Ray, Mud Log, and CBL

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 17 intervals from 11,307' to 6,791'. Performed 17 individual stages of slick water stimulation using 6,038,646 gals fresh water, Sand - 677,892 lbs 100 Mesh and 6,166,826 lbs 40/70. AvBDP = 6,409 psi, AvTP = 6,806 psi, AvMTP = 9,034 psi, AvInjRate = 82.1 bpm, and AvISIP = 4,433 psi.

See Attachment for FracFocus information.

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

Formations Encountered:	Top Depth	Bottom Depth
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See attached sheet for formations encountered and their depths.

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BOWYERS #8H
 API 47-103-02773
 Stone Energy Corporation

	Horizontal		Bottom (ft TVD)	Bottom (ft MD)
	Top (ft TVD)	Top (ft MD)		
Sandstone & Shale	Surface	*	831	FW @ 90'
Pittsburgh Coal	831	*	833	
Sandstone & Shale	833	*	1733	SW - None Reported
Little Lime	1733	*	1768	
Big Lime	1768	*	1868	
Big Injun	1868	*	2062	
Sandstone & Shale	2062	*	2435	
Berea Sandstone	2435	*	2475	
Shale	2475	*	2665	
Gordon	2665	*	2725	
Undiff Devonian Shale	2275	*	5709	5747
Rhinestreet	5709	5747 ~	6060	6189
Cashaqua	6060	6189 ~	6190	6373
Middlesex	6190	6373 ~	6218	6417
West River	6218	6417 ~	6281	6535
Geneseo	6281	6535 ~	6302	6582
Tully Limestone	6302	6582 ~	6345	6698
Marcellus	6345	6698 ~	6432	11390
TD			6432	11390

* From Pilot Hole Log and Driller's Log
 ~ From MWD Gamma Log

Hydraulic Fracturing Fluid Product Component Information Disclosure

103.02773

Fracture Date:	7/13/2013
State:	West Virginia
County/Parish:	Wetzel County
API Number:	
Operator Name:	Stone
Well Name and Number:	Bowyers 8H
Longitude:	
Latitude:	
Long/Lat Projection:	
Production Type:	
True Vertical Depth (TVD):	0
Total Water Volume (gal):	6039646

Hydraulic Fracturing Fluid Composition

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
15% HCl Slickwater, WF115	Schlumberger	Corrosion Inhibitor, Bactericide (Myacide GA25), Scale Inhibitor, AntiFoam Agent, Surfactant, Acid, Breaker, Gelling Agent, Friction Reducer, Iron Control Agent, Clay Control Agent, Buffer, Propping Agent, Fluid	Water (Including Mix Water Supplied by Client)*	NA		67.81231%	
			Crystalline silica	14808-60-7	98.46680%	12.00083%	
			Hydrogen chloride	7647-01-0	0.71681%	0.08736%	
			Guar gum	9000-30-0	0.42138%	0.05136%	
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.08309%	0.01013%	
			Ammonium sulfate	7783-20-2	0.07853%	0.00957%	
			Polyethylene glycol monohexyl ether	31726-34-8	0.06446%	0.00786%	
			Glutaraldehyde	111-30-8	0.05455%	0.00665%	
			Sodium sulfate	7757-82-6	0.03394%	0.00414%	
			Diammonium peroxodisulfate	7727-54-0	0.01683%	0.00205%	
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.00890%	0.00109%	
			Sodium chloride	7647-14-5	0.00816%	0.00099%	
			Magnesium chloride	7786-30-3	0.00765%	0.00093%	
			Urea	57-13-6	0.00547%	0.00067%	
			Polypropylene glycol	25322-69-4	0.00537%	0.00065%	
			Trisodium ortho phosphate	7601-54-9	0.00307%	0.00037%	
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00283%	0.00034%	
			Sodium erythorbate	6381-77-7	0.00254%	0.00031%	
			Methanol	67-56-1	0.00206%	0.00025%	
			Non-crystalline silica	7631-86-9	0.00194%	0.00024%	
			Fatty acids, tall-oil	61790-12-3	0.00151%	0.00018%	
			Thiourea, polymer with formaldehyde and 1-benzothiazone	68527-49-1	0.00124%	0.00015%	
			Calcium chloride	10043-52-4	0.00107%	0.00013%	
			Ethane-1,2-diol	107-21-1	0.00087%	0.00011%	
			Sodium carbonate	497-19-8	0.00071%	0.00009%	
			Alcohols, C14-15, ethoxylated (ZEO)	68951-67-7	0.00058%	0.00007%	
			Propan-2-ol	67-63-0	0.00057%	0.00007%	
			Prop-2-yn-1-ol	107-19-7	0.00039%	0.00005%	
			Alkenes, C>10 a-	64743-02-8	0.00026%	0.00003%	
			Potassium chloride	7447-40-7	0.00020%	0.00002%	
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.00017%	0.00002%	
			Potassium hydroxide	1310-58-3	0.00013%	0.00002%	
			Dimethyl siloxanes and silicones	63148-62-9	0.00008%	0.00001%	
			Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	0.00001%	< 0.00001%	
			Octamethylcyclotetrasiloxane	556-67-2	0.00001%	< 0.00001%	
			Sodium hydroxide	1310-73-2	0.00001%	< 0.00001%	
			Decamethyl cyclopentasiloxane	541-02-6	0.00001%	< 0.00001%	
			Dodecamethylcyclohexasiloxane	540-97-6	< 0.00001%	< 0.00001%	

† Proprietary Technology

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

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All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and