

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 #: 47-103-02843

Farm name: Denoon Trust, Janie Operator Well No.: Bowyers #7H

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

District: Magnolia County: Wetzel
Latitude: 13,410 Feet South of 39 Deg. 42 Min. 30 Sec.
Longitude 3,070 Feet West of 80 Deg. 50 Min. 00 Sec.

RECEIVED
ENVIRONMENTAL PROTECTION

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>25'</u>	<u>25'</u>	<u>GTS</u>
Agent: <u>Tim McGregor</u>	<u>13.375"</u>	<u>1,149'</u>	<u>1,149'</u>	<u>1,047 - CTS</u>
Inspector: <u>Derek Haught</u>	<u>9.625"</u>	<u>2,231'</u>	<u>2,231'</u>	<u>470 Lead - 500 Tail - CTS</u>
Date Permit Issued: <u>11/20/2012</u>	<u>5.5"</u>		<u>9,785'</u>	<u>945 Lead - 2,290 Tail</u>
Date Well Work Commenced: <u>12/13/2012</u>	<u>2.375"</u>		<u>6,602'</u>	
Date Well Work Completed: <u>8/29/2013</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>6,333</u>				
Total Measured Depth (ft): <u>9,788</u>				
Fresh Water Depth (ft.): <u>90</u>				
Salt Water Depth (ft.): <u>None Reported</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>854</u>				
Void(s) encountered (N/Y) Depth(s) <u>N/A</u>				

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

Producing formation Marcellus Pay zone depth (ft) 6,705' to 9,702'
Gas: Initial open flow 70 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 670 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 285 Hours
Static rock Pressure 955 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.

[Signature]
Signature

1/30/2014
Date

103.02843

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X 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 12 intervals from 9,702' to 6,705'. Performed 12 individual stages of slick water stimulation using 4,124,054 gals fresh water, Sand - 472,452 lbs 100 Mesh and 4,312,202 lbs 40/70. AvBDP = 4,317 psi, AvTP = 6,111 psi, AvMTP = 8,619 psi, AvInjRate = 82.3 bpm, and AvSIP = 3,086 psi.

See Attachment for FracFocus information.

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

Formations Encountered:
Surface:

Top Depth

/

Bottom Depth

See attached sheet for formations encountered and their depths.

103-0843

BOWYERS #7H
 API 47-103-02843
 Stone Energy Corporation

	Top (ft TVD)	Horizontal Top (ft MD)		Bottom (ft TVD)	Bottom (ft MD)
Sandstone & Shale	Surface		*	854	FW @ 90'
Pittsburgh Coal	854		*	861	
Sandstone & Shale	861		*	1733	
Little Lime	1733		*	1768	SW - None Reported
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		*	5727	5743
Rhinestreet	5727	5743	~	6072	6126
Cashaqua	6072	6126	~	6188	6288
Middlesex	6188	6288	~	6209	6323
West River	6209	6323	~	6271	6436
Geneseo	6271	6436	~	6292	6482
Tully Limestone	6292	6482	~	6328	6574
Marcellus	6328	6574	~	6333	9788
TD				6333	9788

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

Hydraulic Fracturing Fluid Product Component Information Disclosure

103.02843

Fracture Date:	7/14/2013
State:	West Virginia
County/Parish:	Wetzel County
API Number:	
Operator Name:	Stone
Well Name and Number:	Bowyers 7H
Longitude:	
Latitude:	
Long Lat Projection:	
Production Type:	
True Vertical Depth (TVD):	0
Total Water Volume (gal):*	4124054

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, SAPPHERE VF	Schlumberger	Corrosion Inhibitor, Bactericide (Myacide GA25), Scale Inhibitor, AntiFoam Agent, Acid, Friction Reducer, Rheology Modifier ClearFRAC XT J589, Gelling Agent, Iron Control Agent, Clay Control Agent, Fluid Loss Additive, Proppant	Water (Including Mix Water Supplied by Client)*	NA		87.55215%	
			Crystalline silica	14808-60-7	97.99802%	12.19865%	
			Hydrogen chloride	7647-01-0	0.69075%	0.08598%	
			Erucic amidopropyl dimethyl betaine	149879-98-1	0.42903%	0.05340%	
			Propan-2-ol	67-63-0	0.36176%	0.04503%	
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.11392%	0.01418%	
			Ammonium sulfate	7783-20-2	0.10767%	0.01340%	
			Sodium chloride	7647-14-5	0.09512%	0.01184%	
			Glutaraldehyde	111-30-8	0.05529%	0.00688%	
			Sodium sulfate	7757-82-6	0.04654%	0.00579%	
			Magnesium chloride	7786-30-3	0.03395%	0.00423%	
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.01221%	0.00152%	
			Urea	57-13-6	0.00750%	0.00093%	
			Sodium chloroacetate	3926-62-3	0.00556%	0.00069%	
			Calcium chloride	10043-52-4	0.00475%	0.00059%	
			Trisodium ortho phosphate	7601-54-9	0.00326%	0.00041%	
			Sodium erythorbate	6381-77-7	0.00266%	0.00033%	
			Polypropylene glycol	25322-69-4	0.00239%	0.00030%	
			Methanol	67-56-1	0.00218%	0.00027%	
			Polyvinyl acetate, partially hydrolyzed	304443-60-5	0.00184%	0.00023%	
			Fatty acids, tall-oil	61790-12-3	0.00160%	0.00020%	
			Thiourea, polymer with formaldehyde and 1-phenylethanolone	68527-49-1	0.00132%	0.00016%	
			Non-crystalline silica	7631-86-9	0.00109%	0.00014%	
			Ethane-1,2-diol	107-21-1	0.00093%	0.00012%	
			Potassium chloride	7447-40-7	0.00091%	0.00011%	
			Alcohols, C14-15, ethoxylated (ZEO)	68951-67-7	0.00061%	0.00008%	
			Prop-2-yn-1-ol	107-19-7	0.00041%	0.00005%	
			Alkenes, C>10 a-	64743-02-8	0.00027%	0.00003%	
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.00024%	0.00003%	
			Dimethyl siloxanes and silicones	63148-62-9	0.00011%	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 Appendix