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: February 14, 2014
API #: 47-103-02713

Farm name: Lemons, Gary & Judy Operator Well No.: Lemons #7H

LOCATION: Elevation: 1,327' Quadrangle: New Martinsville

District: Magnolia County: Wetzel
Latitude: 5,660 Feet South of 39 Deg. 40 Min. 00 Sec.
Longitude 570 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Morgantown, WV 26505	20"	48'	48'	GTS
Agent: Tim McGregor	13.375"	1,263'	1,263'	1,190 - CTS
Inspector: Derek Haught	9.625"	2,680'	2,680'	769 Lead - 484 Tail - CTS
Date Permit Issued: 9/30/2011	5.5"		11,234'	1084 Lead - 1,684 Tail
Date Well Work Commenced: 7/11/2012	2.375"		7,312'	
Date Well Work Completed: 8/11/2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6,794				
Total Measured Depth (ft): 11,248				
Fresh Water Depth (ft.): 50				
Salt Water Depth (ft.): 1,800				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 1,027 to 1,035 & 1,050 to 1,051				
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) 7,682' - 11,107'
Gas: Initial open flow 250 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 640 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 75 Hours
Static rock Pressure 2,000 psig (surface pressure) after 71 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

RECEIVED
Office of Oil and Gas
FEB 24 2014
WV Department of
Environmental Protection

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. Q. Boards
Signature

2/14/2014
Date

10302713

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 13 intervals from 11,107' to 7,682'. Performed 13 individual stages of slick water stimulation using 4,417,510 gals fresh water, Sand - 512,614 lbs 100 Mesh and 4,512,326 lbs 40/70. AvBDP = 7,174 psi, AvTP = 7,389 psi, AvMTP = 9,077 psi, AvInjRate = 82.2 bpm, and AvISIP = 4,606 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.

103-02713

LEMONS #7H
API 47-103-02713
Stone Energy Corporation

	Top (ft TVD)	Horizontal Top (ft MD)		Bottom (ft TVD)	Bottom (ft MD)	
Sandstone & Shale	Surface		*	1027		FW @ 50'
Coal	1027		*	1035		
Sandstone & Shale	1035		*	1050		
Pittsburgh Coal	1050			1051		
Sandstone & Shale	1051			2313		SW @ 1800'
Little Lime	2313		*	2343		
Big Lime	2343		*	2443		
Big Injun	2443		*	2543		
Sandstone & Shale	2543		*	2873		
Berea Sandstone	2878		*	2928		
Shale	2928		*	3048		
Gordon	3048		*	3098		
Undiff Devonian Shale	3098		*	6190	6205	
Rhinestreet	6190	6205	~	6551	6628	
Cashaqua	6551	6628	~	6701	6884	
Middlesex	6701	6884	~	6720	6917	
West River	6720	6917	~	6771	7033	
Geneseo	6771	7033	~	6791	7072	
Tully Limestone	6791	7072	~	6824	7167	
Hamilton	6824	7167	~	6872	7350	
Marcellus	6872	7350	~	6794	11248	
TD				6794	11248	

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

Hydraulic Fracturing Fluid Product Component Information Disclosure

103-02713

Fracture Date:	6/1/2013
State:	West Virginia
County/Parish	Wetzel County
API Number:	
Operator Name:	Stone
Well Name and Number:	Lemons 7H
Longitude:	
Latitude:	
Long/Lat Projection:	
Production Type:	
True Vertical Depth (TVD):	0
Total Water Volume (gal)*:	4417510

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, Propping Agent, Fluid Loss	Water (Including Mix Water Supplied by Client)*	NA		87.79812%	
			Crystalline silica	14808-60-7	98.32344%	11.99928%	
			Hydrogen chloride	7647-01-0	0.74275%	0.09064%	
			Guar gum	9000-30-0	0.43599%	0.05321%	
			Acrylamide, 2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	38193-60-1	0.09778%	0.01193%	
			Ammonium sulfate	7783-20-2	0.09242%	0.01128%	
			Polyethylene glycol monohexyl ether	31726-34-8	0.06255%	0.00763%	
			Glutaraldehyde	111-30-8	0.05083%	0.00621%	
			Sodium sulfate	7757-82-6	0.03994%	0.00487%	
			Sodium chloride	7647-14-5	0.03712%	0.00453%	
			Magnesium chloride	7786-30-3	0.03480%	0.00425%	
			Diammonium peroxidisulphate	7727-54-0	0.02718%	0.00332%	
			Polymer of 2-acrylamido-2-methylpropanesulfonic acid sodium salt and methyl acrylate	136793-29-8	0.01048%	0.00128%	
			Urea	57-13-6	0.00844%	0.00079%	
			Calcium chloride	10043-52-4	0.00487%	0.00059%	
			Trisodium ortho phosphate	7601-54-9	0.00324%	0.00039%	
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00274%	0.00033%	
			Sodium erythorbate	6381-77-7	0.00273%	0.00033%	
			Methanol	67-56-1	0.00271%	0.00033%	
			Polypropylene glycol	25322-69-4	0.00244%	0.00030%	
			Non-crystalline silica	7631-86-9	0.00212%	0.00026%	
			Fatty acids, tall-oil	61790-12-3	0.00199%	0.00024%	
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00164%	0.00020%	
			Potassium chloride	7447-40-7	0.00093%	0.00011%	
			Ethane-1,2-diol	107-21-1	0.00092%	0.00011%	
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00076%	0.00009%	
			Propan-2-ol	67-63-0	0.00055%	0.00007%	
			Prop-2-yn-1-ol	107-19-7	0.00051%	0.00006%	
			Alkenes, C>10 a-	64743-02-8	0.00034%	0.00004%	
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.00020%	0.00002%	
			Potassium hydroxide	1310-58-3	0.00013%	0.00002%	
			Dimethyl siloxanes and silicones	63148-62-9	0.00009%	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%

Report ID: RPT-15042 (Generated on 6/7/2013 9:52 AM)

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