

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: 8/29/13  
API #: 47-085-05151 *JP*

Farm name: Gaston, David R. Operator Well No.: M. E. Elder #1

LOCATION: Elevation: 990' Quadrangle: Cairo 7.5'

District: Grant County: Ritchie  
Latitude: 8810' Feet South of 39 Deg. 10 Min. 0 Sec.  
Longitude 5210' Feet West of 81 Deg. 10 Min. 0 Sec.

Company: GreenHunter Water LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1048 Texan Trail Grapevine Texas, 76051	11 3/4"	44'	44'	15 cu/ft
Agent: Noble Zickefoose	8 5/8"	1124'	1124'	250 cu/ft
Inspector: David Cowan	5 1/2"		4956'	300 cu/ft
Date Permit Issued: (Injection) 9/3/2009	2 3/8"		2695'	Baker Loc-Set
Date Well Work Commenced: 6/8/2009				Packer
Date Well Work Completed: 11/11/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 5100'				
Total Measured Depth (ft): 5100'				
Fresh Water Depth (ft.): None Reported				
Salt Water Depth (ft.): None Reported				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1390, 1498, 1602, 1686				
Void(s) encountered (N/Y) Depth(s) N				

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Office of Oil & Gas  
SEP 09 2013  
WV Department of  
Environmental Protection

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

Producing formation Salt Water Disposal Well 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

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.

*Noble Zickefoose*  
\_\_\_\_\_  
Signature

8-29-13  
Date

09/13/2013

85-05151B

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 FDC-GR, IND-GR, Audio Temp

**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:

Previously perforated and stimulated with N2 and Stress Frac-4260' to 4270', 4127' to 4147', 3560' to 3570'  
Gordon perforated and stimulated from 2925' to 2929'

Plug Back Details Including Plug Type and Depth(s): Plugging summary-3940' to 4142' 20 sks Class A 2%, Gel spacer-3580' to 4142', 3380' to 3580' 20 sks class A 2% Gel, Bridge plug (5 1/2") set at 3032'.

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Lower Freeport Coal	1390	1393
Middle Kittaning Coal	1489	1500
Clairion Coal	1602	1604
Tionesta Coal	1680	1686
Maxton	1910	1958
Greenbrier	1970	2102
Big Injun	2120	2166
Squaw	2169	2175
Berea	2530	2531
Gordon	2924	2934
Devonian Shale	2934	5100