

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 1-31-2012
API #: 47-069-00061

Farm name: George Gantzer Operator Well No.: 8H

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LOCATION: Elevation: 1260' Quadrangle: Valley Grove WV

MAR 19 2012

District: Tridelphia County: Ohio
Latitude: 4750' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 13790' Feet West of 80 Deg. 35 Min. 00 Sec.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	20"	100'	100'	Driven
Agent: Eric Gillespie	13 3/8"	686'	686'	701 cf
Inspector: Bill Hendershot	9 5/8"	2000'	2000'	908 cf
Date Permit Issued: 8/18/2010	5 1/2"	12675'	12675'	2473 cf
Date Well Work Commenced: 1/16/2011				
Date Well Work Completed: 6/5/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): 6,509'				
Total Measured Depth (ft.): 12,677'				
Fresh Water Depth (ft.): 30'				
Salt Water Depth (ft.): 1135'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 575'				
Void(s) encountered (N/Y) Depth(s) Y 575'				

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

Producing formation Marcellus Pay zone depth (ft) 6,528'-12,538'

Gas: Initial open flow 3,439 MCF/d Oil: Initial open flow 190 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 4,231 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.

Matthew Williams
Signature

3-14-2012
Date

Were core samples taken? Yes _____ No N

Were cuttings caught during drilling? Yes Y No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity
open hole logs run from 0-6482' MD; LWD GR from 5552-12620' MD.

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.

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Perforated Intervals, Fracturing, or Stimulating:

MAR 19 2012

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MORGANTOWN, WV

(See Attached)

Plug Back Details Including Plug Type and Depth(s): Cement @ 12,558.21'

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		

(See Attached)

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Formation/Lithology	Top Depth (ft)	Bottom Depth (ft)
LS/SS	0	575
Pittsburg Coal	575	585
LS/SHALE	585	700
SS	700	1200
SHALE	1200	1290
SS	1290	1750
Big Lime	1750	1800
Big Injun	1800	2011
SHALE	2011	6251
Geneseo	6251	6266
Tully	6266	6142
Hamilton	6142	6519
Marcellus	6519	12677

