

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

DATE: 11-19-2012
API #: 47-069-00065

Farm name: George Gantzer 6H Operator Well No.: 832740

LOCATION: Elevation: 1260' Quadrangle: Valley Grove

District: Tridelphia County: Ohio
Latitude: 4740' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 13770 Feet West of 80 Deg. 35 Min. 00 Sec.

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'	208 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	640'	640'	685 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2116'	2116'	926 Cu. Ft.
Date Permit Issued: 2-18-2011	5 1/2"	12758'	12758'	2672 Cu. Ft.
Date Well Work Commenced: 3-18-2012				
Date Well Work Completed: 4-30-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6496'				
Total Measured Depth (ft): 12758'				
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) 6,900' - 12,601'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 2153* MCF/d Final open flow 85 Bbl/d
Time of open flow between initial and final tests 96 Hours *Calculated
Static rock Pressure 4223* 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.

Marlene Williams
Signature

11-19-2012
Date

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11/30/2012

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 _____
LWD GR from 5882-12758' 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.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

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

(See Attached)

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 6496 ft TVD @ 12758 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	575	575
PITTSBURG COAL	575	575	585	585
LS/SHALE	585	585	700	700
SS	700	700	1200	1200
SHALE	1200	1200	1290	1290
SS	1290	1290	1750	1750
BIG LIME (LS)	1750	1750	1800	1800
BIG INJUN (SS)	1800	1800	2011	2011
SHALE	2011	2011	6348	6196
GENESEO (SH)	6348	6196	6374	6218
TULLY (LS)	6374	6218	6421	6253
HAMILTON (SH)	6421	6253	6610	6360
MARCELLUS (SH)	6610	6360		
TD OF LATERAL			12758	6496

PERFORATION RECORD ATTACHMENT

Well Number and Name: 832740 George Gantzer 6H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
4/16/2012	12,038	12,601	4/26/2012	12,038	12,601	Sik wtr	10,779	Sand	640,820	86
4/26/2012	11,396	11,959	4/26/2012	11,396	11,959	Sik wtr	10,666	Sand	640,680	85
4/26/2012	10,753	11,317	4/27/2012	10,753	11,317	Sik wtr	10,862	Sand	641,560	86
4/27/2012	10,111	10,674	4/27/2012	10,111	10,674	Sik wtr	10,792	Sand	641,040	85
4/27/2012	9,472	10,032	4/27/2012	9,472	10,032	Sik wtr	10,834	Sand	640,060	85
4/27/2012	8,827	9,390	4/28/2012	8,827	9,390	Sik wtr	10,392	Sand	640,860	84
4/29/2012	8,184	8,748	4/29/2012	8,184	8,748	Sik wtr	10,408	Sand	641,480	85
4/29/2012	7,542	8,105	4/30/2012	7,542	8,105	Sik wtr	10,469	Sand	641,420	85
4/30/2012	6,900	7,463	4/30/2012	6,900	7,463	Sik wtr	10,514	Sand	640,380	84