

REVISED
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 #: 47-069-00101

Farm name: George Gantzer OHI 3H Operator Well No.: 834153

LOCATION: Elevation: 1260' Quadrangle: Valley Grove

District: Tridelphia County: Ohio
Latitude: 4760' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 13950' 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'	353 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	652'	652'	684 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2135'	2135'	926 Cu. Ft.
Date Permit Issued: 11-15-2011	5 1/2"	12587'	12587'	2655 Cu. Ft.
Date Well Work Commenced: 2-1-2012				
Date Well Work Completed: 5-1-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6396'				
Total Measured Depth (ft): 12587'				
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 580'				

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' - 12,451'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 1,567* MCF/d Final open flow 101 Bbl/d

Time of open flow between initial and final tests 72 Hours *Calculated

Static rock Pressure 4,109* 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.

Marlow Williams
Signature

11-19-2012
Date

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834153 George Gantzer OHI 3H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
4/15/2012	11,926	12,451	4/26/2012	11,926	12,451	Slk wtr	10,302	Sand	628,600	83
4/26/2012	11,298	11,824	4/28/2012	11,298	11,824	Slk wtr	11,331	Sand	629,740	83
4/28/2012	10,670	11,195	4/28/2012	10,670	11,195	Slk wtr	10,582	Sand	630,720	79
4/28/2012	10,045	10,566	4/29/2012	10,045	10,566	Slk wtr	10,480	Sand	630,300	84
4/29/2012	9,413	9,938	4/29/2012	9,413	9,938	Slk wtr	10,144	Sand	631,460	85
4/29/2012	8,785	9,310	4/30/2012	8,785	9,310	Slk wtr	10,070	Sand	630,360	85
4/30/2012	8,153	8,686	4/30/2012	8,153	8,686	Slk wtr	9,928	Sand	630,800	83
4/30/2012	7,530	8,053	5/1/2012	7,530	8,053	Slk wtr	10,168	Sand	631,920	85
5/1/2012	6,900	7,425	5/1/2012	6,900	7,425	Slk wtr	9,976	Sand	634,080	85

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

Maximum TVD of wellbore: 6396 ft TVD @ 6784 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	6234	6204
GENESEO (SH)	6234	6204	6266	6227
TULLY (LS)	6266	6227	6313	6259
HAMILTON (SH)	6313	6259	6501	6357
MARCELLUS (SH)	6501	6357		
TD OF LATERAL			12587	6323