

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

DATE: 12-21-2012
API #: 47-069-00092

Farm name: Timmy Minch OHI 1H Operator Well No.: 833624

LOCATION: Elevation: 1225' Quadrangle: Wheeling WV.

District: Triadelphia County: Ohio
Latitude: 5960' Feet South of 40 Deg. 07 Min. 30 Sec.
Longitude 14440' Feet West of 80 Deg. 37 Min. 30 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"	124'	124'	409 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	519'	519'	101 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1981'	1981'	892 Cu. Ft.
Date Permit Issued: 9-6-2011	5 1/2"	15079'	15079'	4047 Cu. Ft.
Date Well Work Commenced: 3-29-2012				
Date Well Work Completed: 7-16-2012(Rig release date)				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6106'				
Total Measured Depth (ft): 15084'				
Fresh Water Depth (ft.): 68', 300'				
Salt Water Depth (ft.): 1141'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 467'				
Void(s) encountered (N/Y) Depth(s) Y 467'-480'				

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

Producing formation Marcellus Pay zone depth (ft) n/a(not frac'd)

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.

Marlene Williams
Signature

12-21-2012
Date

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 LWD GR from 5,800' - 15,072' 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:

Tentative frac scheduled for 3-21-2013

Plug Back Details Including Plug Type and Depth(s): cement plugs: 275'- 565'; 385' - 541'; 1585'-1845';

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>/</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: 6106 ft TVD @ 6689 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SH	0	0	467	467
PITTSBURG COAL VOID	467	467	480	480
SS/LS	480	480	710	710
SS/LS/SH	710	710	920	920
SS	920	920	1250	1250
SS/LS	1250	1250	1310	1310
SS	1310	1310	1550	1550
BIG INJUN (SS)	1550	1550	1819	1819
SHALE	1819	1819	6111	5904
GENESEO (SH)	6111	5904	6138	5924
TULLY (LS)	6138	5924	6209	5972
HAMILTON (SH)	6209	5972	6380	6058
MARCELLUS (SH)	6380	6058		
TD OF LATERAL			15084	5991