

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

DATE: 12-4-2012
API #: 47-069-00109

Farm name: Mark Hickman OHI 8H Operator Well No.: 834585

LOCATION: Elevation: 1285' Quadrangle: Valley Grove

District: Triadelphia County: Ohio
Latitude: 1680' Feet South of 40 Deg. 02 Min. 30 Sec.
Longitude 720' Feet West of 80 Deg. 32 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	13 3/8"	761'	761'	589 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2280'	2280'	1010 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	14149'	14149'	3345 Cu. Ft.
Date Permit Issued: 3-1-2012				
Date Well Work Commenced: 5-19-2012				
Date Well Work Completed: 9-10-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6801'				
Total Measured Depth (ft): 14151'				
Fresh Water Depth (ft.): 30'				
Salt Water Depth (ft.): 1015'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 713'				
Void(s) encountered (N/Y) Depth(s) 713'-721' COAL VOID				

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

Producing formation Marcellus Pay zone depth (ft) 8,857-14,003'

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

Final open flow 2,352' MCF/d Final open flow 95 Bbl/d

Time of open flow between initial and final tests 156 Hours

Static rock Pressure 4,421' 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.

Marley Williams
Signature

12-11-2012
Date

01/25/2013

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 6,070' - 14,150' 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>/</u>	<u>Bottom Depth</u>
<u>Surface:</u>			

See attached