

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

Farm name: Heartwood Forestland Fund 3H Operator Well No.: 832255

LOCATION: Elevation: 907' Quadrangle: Harrisville

District: Murphy County: Ritchie
Latitude: 5405' Feet South of 39 Deg. 10 Min. 00 Sec.
Longitude 13610' Feet West of 81 Deg. 05 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'	Driven
Agent: Eric Gillespie	13 3/8"	339'	339'	359 Cu. Ft.
Inspector: David Cowan	9 5/8"	2311'	2311'	1038 Cu. Ft.
Date Permit Issued: 7-30-2010	5 1/2"	6114'	6114'	4210 Cu. Ft.
Date Well Work Commenced: 9-12-2011				
Date Well Work Completed: 10-6-2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6119'				
Total Measured Depth (ft): 6119'				
Fresh Water Depth (ft.): 200'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Pay zone depth (ft) 5,945'-5,947'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow Not Tested 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

12-6-2012
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 _____
Triple combo in surface and intermediate section. Quad combo in pilot hole TD section.

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)

VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0		692	692
SHALE	692	692	720	720
SS/SHALE	720	720	790	790
LS	790	790	810	810
SS	810	810	1050	1050
SHALE	1050	1050	1110	1110
SS	1110	1110	1170	1170
SHALE	1170	1170	1318	1318
SS	1318	1318	1350	1350
SHALE	1350	1350	1380	1380
SS	1380	1380	1500	1500
SHALE/SS	1500	1500	1738	1738
BIG LIME	1738	1738	1915	1915
BIG INJUN	1915	1915	1961	1961
SHALE/SS	1961	1961	2012	2012
SS	2012	2012	2610	2610
SHALE/SS	2610	2610	2634	2634
SS/SHALE	2634	2634	3840	3840
LS	3840	3840	3870	3870
SS	3870	3870	4920	4920
RHINESTREET	4920	4920	5797	5797
MIDDLESEX	5797	5797	5884	5884
GENESEO	5884	5884	5894	5894
TULLY	5894	5894	5907	5907
MARCELLUS	5907	5907	5961	5961
ONONDAGA	5961	5961	6119	6119
TD	6119	6119		