

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

DATE: 11-28-2012
API #: 47-085-09891

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' <u>vertical well per M Williams</u>				
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

RECORDED
Office of Oil & Gas

DEC 06 2012

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

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

12-16-2012
Date

01/11/2013

VERTICAL PILOT HOLE

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