

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

DATE: 2-1-2012
API #: 47-009-00092 **REVISED**

Farm name: John Hupp Operator Well No.: 1H

LOCATION: Elevation: 1270' Quadrangle: Bethany, WV

District: Buffalo County: Brooke
Latitude: 7580' Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 11600' 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	20"	82'	82'	Driven
Agent: Eric Gillespie	13 3/8"	547'	547'	628 cf
Inspector: Bill Hendershot	9 5/8"	1977'	1977'	900 cf
Date Permit Issued: 3/30/2011	5 1/2"	13260'	13260'	2655 cf
Date Well Work Commenced: 4/9/2011				
Date Well Work Completed: 11/16/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,081'				
Total Measured Depth (ft): 13,260'				
Fresh Water Depth (ft.): 175'				
Salt Water Depth (ft.): 1271'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 500'				
Void(s) encountered (N/Y) Depth(s) Y 470'				

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

Producing formation Marcellus Pay zone depth (ft) 7,024'-13,106'

Gas: Initial open flow 0 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 3,953 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

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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

3-16-2012
Date

04/13/2012

Were core samples taken? Yes _____ No N

Were cuttings caught during drilling? Yes Y No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity
open hole logs run from 0-6240' MD; LWD GR from 5847-13206' 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): Cement @ 13,152.93

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
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Surface:

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Formation/Lithology	Top Depth (ft)	Bottom Depth (ft)
LS/SHALE	0	500
Pittsburg Coal	500	510
LS/SHALE	510	750
SHALE	750	1050
SS/SHALE	1050	1150
SS	1150	1400
SHALE	1400	1515
Big Lime	1515	1537
Big Injun	1537	1807
SHALE	1807	6304
Geneseo	6304	6330
Tully	6330	6354
Hamilton	6354	6163
Marcellus	6163	13260

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