

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

DATE: 7-26-12  
API #: 47-009-00084

Farm name: Barry Greathouse A 5H Operator Well No.: 832968

LOCATION: Elevation: 1150' Quadrangle: Tiltonsville WV

District: Buffalo County: Brooke  
Latitude: 2970' Feet South of 40 Deg. 12 Min. 30 Sec.  
Longitude 6140' 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.
<u>P.O. Box 18496</u>				
<u>Oklahoma City, OK 73154-0496</u>	<u>20"</u>	<u>90'</u>	<u>90'</u>	<u>Driven</u>
Agent: <u>Eric Gillespie</u>	<u>13 3/8"</u>	<u>368'</u>	<u>368'</u>	<u>434 Cu. Ft.</u>
Inspector: <u>Bill Hendershot</u>	<u>9 5/8"</u>	<u>1716'</u>	<u>1716'</u>	<u>783 Cu. Ft.</u>
Date Permit Issued: <u>1/11/2011</u>	<u>5 1/2"</u>	<u>12733'</u>	<u>12733'</u>	<u>3370 Cu. Ft.</u>
Date Well Work Commenced: <u>5/26/2011</u>				
Date Well Work Completed: <u>9/23/2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>5,790'</u>				
Total Measured Depth (ft): <u>12,733'</u>				
Fresh Water Depth (ft.): <u>120'</u>				
Salt Water Depth (ft.): <u>1136'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>270'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Pay zone depth (ft) 6,515'-12,597'

Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 1,267 MCF/d Final open flow 100 Bbl/d

Time of open flow between initial and final tests 34 Hours

Static rock Pressure 3,736 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 William  
Signature

7-30-2012  
Date

08/17/2012

Office of Oil & Gas  
JUL 31 2012  
Department of Environmental Protection





**Horizontal Wellbore (no vertical pilot hole associated with this well)**

**Maximum TVD of wellbore: 5818 ft TVD @ 6443 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SHALE	0	0	270	270
PITTSBURGH COAL	270	270	280	280
SHALE	280	280	450	450
SS/SHALE	450	450	1260	1260
BIG LIME (LS)	1260	1260	1395	1395
BIG INJUN (SS)	1395	1395	1550	1550
SHALE/SS	1550	1550	4850	4850
SHALE	4850	4850	6012	5638
GENESEO (SH)	6012	5638	6034	5654
TULLY (LS)	6034	5654	6055	5670
HAMILTON (SH)	6055	5670	6284	5790
MARCELLUS (SH)	6284	5790		
END OF WELL			12733	5747

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