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

Farm name: Michael Dunn MSH 210H  
Operator Well No.: 836372

LOCATION:  
Elevation: 1,260'  
Quadrangle: Majorsville

District: Webster  
County: Marshall

Latitude: 35°10'  
Feet South of 39°  
Deg. 55  Min. 50  Sec.

Longitude: 7°130'  
Feet West of 80°  
Deg. 32  Min. 30  Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496  
Casing & Tubing  
Used in drilling  
Left in well  
Cement fill up Cu. Ft.

Oklahoma City, OK 73154-0496  
20'  
117'  
117'  
214 Cu. Ft.

Agent: Eric Gillespie  
13 3/8"  
440'  
440'  
482 Cu. Ft.

Inspector: Derek Haught  
9 5/8"  
2,268'  
2,268'  
1,040 Cu. Ft.

Date Permit Issued: 11-28-2012  
5 1/2"  
14,823'  
14,823'  
3,604 Cu. Ft.

Date Well Work Commenced: 2-27-2013  
Date Well Work Completed: 3-17-2013 (Rig release date)

Verbal Plugging:

Date Permission granted on:

Rotary ✔  
Cable  
Rig  

Total Vertical Depth (ft): 6,851'  
Total Measured Depth (ft): 14,825'  
Fresh Water Depth (ft.): 330'  
Salt Water Depth (ft.): 1,156'

Is coal being mined in area (Y/N)? Y

Coal Depths (ft.): 770'

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) (not traced) *scheduled frac date 3-16-2014

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

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.

[Signature]  
[Date]  

Morgan Williams  
7-15-2013
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______________________________

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:

Scheduled TIL date 6-1-2014

______________________________

 Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

See attachment

______________________________

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<th>Bottom Depth, MD (ft)</th>
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**HORIZONTAL WELL (No pilot hole associated with this pad)**

Maximum TVD of wellbore: 6851 ft TVD @ 14825 ft MD

**RECEIVED**

**JUL 16 2013**

WV GEOLOGICAL SURVEY
MORGANTOWN, WV