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

**Farm name:** MCDOWELL, RANDY & LISA  
**Operator Well No.:** 627049 (1H)

**LOCATION:**  
- **Elevation:** 1,356'  
- **Quadrangle:** WILEYVILLE

**District:** MEADE - MARSHALL  
**County:** MARSHALL

**Latitude:** 39° 45' 00"  
**Longitude:** 80° 40' 20"

**Company:** Chesapeake Appalachia, LLC

<table>
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<tr>
<th>Address:</th>
<th>Casing &amp; Tubing</th>
<th>Used in drilling</th>
<th>Left in well</th>
<th>Cement fill up Cu. Ft.</th>
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<td>P.O. Box 18496, Oklahoma City, OK 73154</td>
<td>13 3/8&quot;</td>
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**Agent:** Eric Gillespie  
**Inspector:** DAVID SC Ranage

**Date Permit Issued:** 1/27/2010  
**Date Well Work Commenced:** 1/31/2010  
**Date Well Work Completed:** 7/27/2010

**Verbal Plugging:**

**Date Permission granted on:**

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**Total Vertical Depth (ft):** 7,180'  
**Total Measured Depth (ft):** 12,620'  
**Fresh Water Depth (ft):** 360'  
**Salt Water Depth (ft):** NONE

**Is coal being mined in area (Y/N)?** NO  
**Coal Depths (ft):** 275', 1065', 1140'

**Void(s) encountered (Y/N):** Depth(s)

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

**Producing formation:** Marcellus  
**Pay zone depth (ft):** 7,880-12,397

**Gas:** Initial open flow 5,261 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**

**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.

_Nicole Williams_  
Signature  
3-2-2010  
Date
Were core samples taken? Yes ☒ No ☑

Were cuttings caught during drilling? Yes ☒ No ☑

Were Y Electrical, N Mechanical, Y/N or Geophysical logs recorded on this well?

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)

Formations Encountered: Top Depth / Bottom Depth

Surface:

(see attached)
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<th>BOTTOM DEPTH (FT)</th>
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