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

Farm name: Ray Baker 6H  
Operator Well No.: 831193

LOCATION:  
Elevation: 1310'  
Quadrangle: Glen Easton 7.5'

District: Liberty  
County: Marshall

Latitude: 70°05'  
Feet South of  
Deg. 47  
Min. 30  
Sec.

Longitude: 84°120'  
Feet West of  
Deg. 37  
Min. 30  
Sec.

Company: Chesapeake Appalachia, L.L.C.

<table>
<thead>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>P.O. Box 18496</td>
<td>13 3/8&quot;</td>
<td>1224'</td>
<td>1224'</td>
<td>1105 Cu. Ft.</td>
</tr>
<tr>
<td>Oklahoma City, OK 73154-0496</td>
<td>9 5/8&quot;</td>
<td>2653'</td>
<td>2653'</td>
<td>1178 Cu. Ft.</td>
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<tr>
<td>Agent: Eric Gillespie</td>
<td>5 1/2&quot;</td>
<td>12140'</td>
<td>12140'</td>
<td>2416 Cu. Ft.</td>
</tr>
</tbody>
</table>

Date Permit Issued: 9-11-2009  
Date Well Work Commenced: 11-19-2010  
Date Well Work Completed: 12-18-2010(Rig release date)

Verbal Plugging:

Date Permission granted on:

- Rotary ✅
- Cable ☐
- Rig ☐

Total Vertical Depth (ft.): 7054'
Total Measured Depth (ft.): 12170'
Fresh Water Depth (ft.): 395'
Salt Water Depth (ft.): N/A
Is coal being mined in area (N/Y)? N
Coal Depths (ft.): 375'
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) via (not frac)

- 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] Marlene Williams  
[Date] 12-10-2012
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 GR MWD from 6540' - 12170'

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:

Fracturing on hold

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

Formations Encountered: Top Depth / Bottom Depth
Surface:
LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

**Maximum TVD of wellbore:** 7054 ft TVD @ 12170 ft MD

<table>
<thead>
<tr>
<th>Formation/Lithology</th>
<th>Top Depth, MD (ft)</th>
<th>Top Depth, TVD (ft)</th>
<th>Bottom Depth, MD (ft)</th>
<th>Bottom Depth, TVD (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILTSTONE/LS</td>
<td>0</td>
<td>0</td>
<td>375</td>
<td>375</td>
</tr>
<tr>
<td>PITTSBURG COAL</td>
<td>375</td>
<td>375</td>
<td>385</td>
<td>385</td>
</tr>
<tr>
<td>SHALE W/ MINOR SS</td>
<td>385</td>
<td>385</td>
<td>1500</td>
<td>1500</td>
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<td>SHALE W/ LS</td>
<td>1500</td>
<td>1500</td>
<td>2210</td>
<td>2210</td>
</tr>
<tr>
<td>BIG LIME</td>
<td>2210</td>
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<td>2260</td>
<td>2260</td>
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<tr>
<td>BIG INJUN (SS)</td>
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<td>2260</td>
<td>2490</td>
<td>2490</td>
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<tr>
<td>SHALE W/ SS</td>
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<td>2490</td>
<td>6945</td>
<td>6928</td>
</tr>
<tr>
<td>GENESEO (SH)</td>
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<td>6928</td>
<td>6968</td>
<td>6947</td>
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<tr>
<td>TULLY (LS)</td>
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<td>6947</td>
<td>6992</td>
<td>6972</td>
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<tr>
<td>HAMILTON (SH)</td>
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<td>6972</td>
<td>7172</td>
<td>7063</td>
</tr>
<tr>
<td>MARCELLUS (SH)</td>
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<td>7063</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TD OF LATERAL</td>
<td></td>
<td></td>
<td>12170</td>
<td>7054</td>
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</table>