Farm name: Ray Baker 1H
Operator Well No.: 832774

LOCATION: Elevation: 1310'
Quadrangle: Glen Easton

District: Liberty
County: Marshall

Latitude: 39° 47' 30" Min. 30' North
Longitude: 80° 37' 30" Min. 30' West

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>Oklahoma City, OK 73154-0496</td>
<td>13 3/8&quot;</td>
<td>1213'</td>
<td>1213'</td>
<td>1240 Cu. Ft.</td>
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<tr>
<td>Agent: Eric Gillespie</td>
<td>9 5/8&quot;</td>
<td>2644'</td>
<td>2644'</td>
<td>1201 Cu. Ft.</td>
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<tr>
<td>Inspector: Bill Hendershot</td>
<td>5 1/2&quot;</td>
<td>13352'</td>
<td>13352'</td>
<td>2924 Cu. Ft.</td>
</tr>
</tbody>
</table>

Date Permit Issued: 12-15-2010
Date Well Work Commenced: 12-24-2010
Date Well Work Completed: 2-4-2011 (Rig release date)

Verbal Plugging:

Date Permission granted on:
- Rotary [✓] Cable [ ] Rig [ ]
- Total Vertical Depth (ft): 6982'
- Total Measured Depth (ft): 13354'
- Fresh Water Depth (ft): 395'
- Salt Water Depth (ft): N/A
- Is coal being mined in area (Y/N): N
- Coal Depths (ft): 375'
- Void(s) encountered (Y/N): 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)
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: [Signature]
Date: 12-10-2013
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 MWD from 6600' - 13354'

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:

See attached
**LATERAL SIDETRACK WELLBORE** (no vertical pilot hole associated with this well)

**Maximum TVD of wellbore:** 6982 ft TVD @ 13354 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>SS/LS</td>
<td>0</td>
<td>0</td>
<td>375</td>
<td>375</td>
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<tr>
<td>PITTSBURG COAL</td>
<td>375</td>
<td>375</td>
<td>385</td>
<td>385</td>
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<tr>
<td>SILTSTONE/SHALE</td>
<td>385</td>
<td>385</td>
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<td>BIG LIME</td>
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<td>2200</td>
<td>2481</td>
<td>2481</td>
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<tr>
<td>BIG INJUN (SS)</td>
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<td>2481</td>
<td>2580</td>
<td>2580</td>
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<tr>
<td>SHALE</td>
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<td>2580</td>
<td>2820</td>
<td>2820</td>
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<tr>
<td>SHALE/SS</td>
<td>2820</td>
<td>2820</td>
<td>3100</td>
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<tr>
<td>SHALE W/ MINOR SS</td>
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<td>7078</td>
<td>6927</td>
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<tr>
<td>GENESEO (SH)</td>
<td>7078</td>
<td>6927</td>
<td>7108</td>
<td>6947</td>
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<tr>
<td>TULLY (LS)</td>
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<td>6947</td>
<td>7139</td>
<td>6980</td>
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<tr>
<td>HAMILTON (SH)</td>
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<td>6980</td>
<td>7362</td>
<td>7062</td>
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<tr>
<td>MARCELLUS (SH)</td>
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<td></td>
<td></td>
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<tr>
<td>TD OF LATERAL</td>
<td></td>
<td></td>
<td>13354</td>
<td>6982</td>
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</table>