## Well Operator's Report of Well Work

**Farm Name:** Hall  
**Operator Well No.:** 3H  
**LOCATION:**  
- **Elevation:** 1320'  
- **Quadrangle:** Glen Easton 7.5'  
- **District:** Franklin  
- **County:** Marshall  
- **Latitude:** 41°43'45"N  
- **Longitude:** 80°42'00"W

**Company:** Gastar Exploration USA, Inc.  
**Address:** 229 West Main Street, Suite 301, Clarksburg, WV 26301

<table>
<thead>
<tr>
<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>20&quot;</td>
<td></td>
<td>40'</td>
<td>Sanded</td>
</tr>
<tr>
<td>13 - 3/8&quot;</td>
<td></td>
<td>1,057'</td>
<td>920 ft(^3)</td>
</tr>
<tr>
<td>9 - 5/8&quot;</td>
<td></td>
<td>2,502'</td>
<td>895 ft(^3)</td>
</tr>
<tr>
<td>5 - 1/2&quot;</td>
<td></td>
<td>11,878'</td>
<td>3,165 ft(^3)</td>
</tr>
<tr>
<td>2 - 3/8&quot;</td>
<td></td>
<td>6,123'</td>
<td></td>
</tr>
</tbody>
</table>

**Date Permit Issued:** 8/22/2011  
**Date Well Work Commenced:** 9/20/2011  
**Date Well Work Completed:** 1/9/2012

**Verbal Plugging:**  
- **Date Permission granted on:**  
- **Rotary**  
- **Cable**  
- **Rig**

**Total Vertical Depth (ft):** 6,777'  
**Total Measured Depth (ft):** 11,888'  
**Fresh Water Depth (ft):** 60'  
**Salt Water Depth (ft):** 1,600'

- **Is coal being mined in area (N/Y)?** No  
- **Coal Depths (ft):** 1,073' thru 1,083'  
- **Void(s) encountered (N/Y) Depth(s):** No

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

<table>
<thead>
<tr>
<th>Producing formation</th>
<th>Pay zone depth (ft)</th>
<th>Gas: Initial open flow</th>
<th>Oil: Initial open flow</th>
<th>Final open flow</th>
<th>Time of open flow between initial and final tests</th>
<th>Static rock Pressure</th>
<th>Office of Oil and Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marcellus</td>
<td>6,777'</td>
<td>2606</td>
<td>36</td>
<td>44</td>
<td>96 Hours</td>
<td>1,550 psig (surface pressure) after 96 Hours</td>
<td>WV Dept. of Environmental Protection</td>
</tr>
</tbody>
</table>

- **Second producing formation**
- **Gas:** Initial open flow  
- **Oil:** Initial open flow  
- **Final open flow**  
- **Time of open flow between initial and final tests**  
- **Static rock Pressure**

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.

**Received:** JUN 10 2013

**Signature:** 6-7-13

**Date:** 02/28/2014
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, Mud Log, Acousti, Density, Induction, Mech Prop. & XMAC

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 Sheet:

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

<table>
<thead>
<tr>
<th>Formations Encountered</th>
<th>Top Depth</th>
<th>Bottom Depth</th>
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</thead>
<tbody>
<tr>
<td>Surface:</td>
<td></td>
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</tr>
<tr>
<td>Top/Base</td>
<td></td>
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</tr>
<tr>
<td>Sewickley</td>
<td>912 / 932</td>
<td>Geneseo</td>
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<tr>
<td>Pittsburgh Coal</td>
<td>1073 / 1083</td>
<td>Tully</td>
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<tr>
<td>Maxton</td>
<td>2073 / 2123</td>
<td>Hamilton</td>
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<tr>
<td>Big Lime</td>
<td>2124 / 2140</td>
<td>Marcellus</td>
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<td>Big Injun</td>
<td>2144 / 2307</td>
<td>Onondaga</td>
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<tr>
<td>Weir</td>
<td>2455 / 2625</td>
<td></td>
</tr>
<tr>
<td>Berea</td>
<td>2645 / 2885</td>
<td></td>
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<tr>
<td>Gordon</td>
<td>2905 / 2935</td>
<td></td>
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<tr>
<td>Benson</td>
<td>3622 / 3632</td>
<td></td>
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<tr>
<td>Java</td>
<td>5244 / 5564</td>
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<tr>
<td>Rhinestreet</td>
<td>6001 / 6401</td>
<td></td>
</tr>
<tr>
<td>Cashawa</td>
<td>6401 / 6522</td>
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<tr>
<td>Middlesex</td>
<td>6522 / 6552</td>
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<tr>
<td>West River</td>
<td>6552 / 6636</td>
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Received

JUN 10, 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

02/28/2014
<table>
<thead>
<tr>
<th>Date</th>
<th>Stage</th>
<th>Perforated interval</th>
<th>Fluid Type</th>
<th>Frac Fluid</th>
<th>Pump Down</th>
<th>100 mesh</th>
<th>40/70 M</th>
<th>Total Sand</th>
<th>Avg Inj</th>
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</table>

**Totals**

| 141201 | 2629 | 1413061 | 4480120 | 589920 |

**Water to Recover**

143830 bbls