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

**Farm name:** Wengard  
**Operator Well No.:** 1H

**LOCATION:**
- **Elevation:** 1325'
- **Quadrangle:** Glen Easton 7.5'  
- **District:** Franklin  
- **County:** Marshall  
- **Latitude:** 12.120'  
- **Feet South of:** 39 Deg. 47 Min. 30 Sec.  
- **Longitude:** 77.780'  
- **Feet West of:** 80 Deg. 42 Min. 30 Sec.

**Company:** Gastar Exploration USA, Inc

<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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<tr>
<td>229 West Main St, Suite 301 Clarksburg, WV 26301</td>
<td>20'</td>
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<td>39'</td>
<td>CTS</td>
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<td>Agent</td>
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<td>Inspector</td>
<td>Bill Hendershot</td>
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<td>2 3/8&quot;</td>
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**Verbal Plugging:**
- **Rotary**
- **Cable**
- **Rig**

**Total Vertical Depth (ft):** 6730'  
**Total Measured Depth (ft):** 12,055'  
**Fresh Water Depth (ft):** 60'  
**Salt Water Depth (ft):** 1600'  
**Is coal being mined in area (N/Y)?** No  
**Coal Depths (ft):** Refer to page 2  
**Void(s) encountered (N/Y) Depth(s):** No

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

- **Producing formation** Marcellus  
- **Pay zone depth (ft):** 100 to 11,570'

**Gas:**
- **Initial open flow:** 1356 MCF/d
- **Final open flow:** 3256 MCF/d

**Oil:**
- **Initial open flow:** 0 Bbl/d
- **Final open flow:** 35 Bbl/d

**Time of open flow between initial and final tests:** 96 Hours

**Static rock Pressure:**  psig (surface pressure) after 500 Hours

**Second producing formation**

- **Pay zone depth (ft):**

**Gas:**
- **Initial open flow:**
- **Final open flow:**

**Oil:**
- **Initial open flow:**
- **Final open flow:**

**Time of open flow between initial and final tests:**

**Static rock Pressure:**  psig (surface pressure) after 500 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.

*Dave Jackson*  
6-28-13
Were core samples taken? Yes [X] No [ ]
Were cuttings caught during drilling? Yes [ ] No [X]

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list: No

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): n/a

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sewickley Coal 917 - 937 Geneseo 6380 - 6593
Pittsburgh Coal 1080 - 1090 Tully 6593 - 6634
Maxton 2061 - 2111 Hamilton 6634 - 6692
Big Lime 2112 - 2142 Marcellus 6692 - 6730
Big Injun 2170
Base of Big Injun 2315
Weir 2488 - 2658
Berea 2658 - 2898
Gordon 2913 - 2943
Benson 3635 - 3645
Java 5250 - 5570
Rhinestreet 6004 - 6396
Cashqua 6396 - 6492
Middlesex 6492 - 6512
West River 6512 - 6580

Received: Office of Oil & Gas
2013
JUL
# Fluid & Sand Volume Summary - Wengard #1H

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| Totals | 144213 | 2349 | 1427880 | 4668729 | 6084409 |

| Water to Recover | 148562 bbls |