Field Trip - Logic Puzzle

A group of 30 high school biology students took a field trip to a state park to collect bug samples overnight. Each cabin at the park (of which no two had the same color) could hold 8 people, two of which were a husband and wife chaperone team. Your task is to determine which cabin each couple was staying in (both the color and the cabin number), the husbands first name, the wives first name and their last names.

1. Bob, who is not married to Sarah, didn't bunk in the Orange cabin.
2. Pete and his wife Karen were not staying in cabin #6. Karen's last name is not Spoiler.
3. The Baker couple were staying in the brown cabin, which was #4.
4. Alex's cabin had a lower number than the one Sally camped in but higher than the couple who were staying in the gray cabin.
5. Alex isn't married to Sue Johnson. Charles Smith was not bunking in the green cabin.
6. The couple staying in the green cabin had a sign on the door that said 8.

<table>
<thead>
<tr>
<th>Wife</th>
<th>Last Name</th>
<th>Cabin Color</th>
<th>Cabin #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Karen</td>
<td>Sally</td>
<td>Orange</td>
<td>2</td>
</tr>
<tr>
<td>Sarah</td>
<td>Sue</td>
<td>Green</td>
<td>4</td>
</tr>
<tr>
<td>Brown</td>
<td>Spolier</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Baker</td>
<td>Johnson</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

Husband | Wife | Last Name | Cabin Color | Cabin #
---|---|---|---|---
Bob | | | Orange | 2 |
Pete | | | Green | 4 |
Charles | | | Gray | 6 |
Alex | | | Brown | 8 |
Smith | | | | |
Spoiler | | | | |
Baker | | | | |
Johnson | | | | |