Introduction
Lunar sample 15206 was broken off the same boulder as 15205 and apparently has the same chemical composition. However, it has a different texture (Wilshire and Moore 1974, Dymek et al. 1974). It has not been dated.

Petrography
The best description of 15206 is found in Ryder (1985). It is a vesicular glassy breccia containing KREEP basalt and mare basalt clasts. Unlike 15205 the clasts are shocked and penetrated by glass and there is a higher proportion of matrix (figure 3). It is an impact melt rock, that was probably generated from a regolith.

Chemistry
The K, Th and U was determined by radiation counting and found to be similar to that of 15205. Judging from the high Th content both samples must be made up mostly KREEP basalt. Halogens were determined by Reed and Jovanovic (1972).

Cosmogenic isotopes and exposure ages
Keith et al. (1972) and Rancitelli et al. (1972) determined the cosmic-ray-induced activity of $^{26}$Al, $^{22}$Na, $^{46}$Sc, $^{48}$V, $^{54}$Mn, $^{56}$Co and $^{60}$Co.

Processing
An elongate piece (.9) was cut off and subdivided. There are 12 thin sections.
Figure 3: Photo of 15206 showing internal texture with vesicles. Sample is 6 cm across. S74-33198 (badly faded)
Table 1. Chemical composition of 15206.

<table>
<thead>
<tr>
<th>Element</th>
<th>Reference</th>
<th>Weight</th>
<th>SiO2 %</th>
<th>TiO2</th>
<th>Al2O3</th>
<th>FeO</th>
<th>MnO</th>
<th>MgO</th>
<th>CaO</th>
<th>Na2O</th>
<th>K2O</th>
<th>P2O5</th>
<th>S %</th>
<th>sum</th>
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<td>Keith72</td>
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<td></td>
<td>0.59</td>
<td></td>
<td>0.6</td>
<td>(a)</td>
</tr>
</tbody>
</table>

Sc ppm, V, Cr, Ni, Cu, Zn, Ga, Ge ppb, As, Se, Rb, Sr, Y, Zr, Nb, Mo, Ru, Rh, Pd ppb, Ag ppb, Cd ppb, In ppb, Sn ppb, Sb ppb, Te ppb, Cs ppm, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W ppb, Re ppb, Os ppb, Ir ppb, Pt ppb, Au ppb

Technique: (a) radiation counting

References for 15206

Butler P. (1971) Lunar Sample Catalog, Apollo 15. Curators’ Office, MSC 03209


Ryder G. (1985) Catalog of Apollo 15 Rocks (three volumes). Curatorial Branch Pub. # 72, JSC#20787


