<table>
<thead>
<tr>
<th>Plate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>A map showing the coal fields in Southwestern Wyoming.</td>
</tr>
</tbody>
</table>

**Coal Fields in Southwestern Wyoming**

*Drawn by*
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**Table: Coal Fields in Southwestern Wyoming**

<table>
<thead>
<tr>
<th>Field</th>
<th>Location</th>
<th>Type</th>
<th>Coal Zones</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hanna</td>
<td>southeast Wyoming</td>
<td>surface</td>
<td>1.75 billion short tons</td>
<td>Hanna coals—4.26 billion short tons (©Lasik and others, 2009).</td>
</tr>
<tr>
<td>Carbon</td>
<td>central Wyoming</td>
<td>underground</td>
<td>3.74 billion short tons</td>
<td>Carbon coals—2.5 billion short tons (©Lasik and others, 2009).</td>
</tr>
</tbody>
</table>

**Notes:**
- Data is from the U.S. Geological Survey 1997–1999 and the 1989–1993 resource investigations. For the 1999 resource investigations, the total production from the Hanna coals was in 2008a). The Atlantic Rim (Rawlins–Hanna–Carlin) was estimated to contain 54.9 billion cubic ft of natural gas, providing enough natural gas to generate approximately 1,150 billion cubic feet. The Atlantic Rim was expected to produce nearly 1,350 billion cubic feet. The Atlantic Rim Natural Gas Project (ARPA) began in 2009 with a proposal to produce 210 billion cubic feet annually. The output of this project is expected to continue to 2025. In 2009a), the coal production was 4.26 billion short tons. The average heating value for the Hanna coals is 6,098 Btu/lb, and the average heat content for the Carbon coals is 6,422 Btu/lb.

**Coal Grade:**
- The apparent rank of the Ferris and Hanna coals is subbituminous B, ranging from 11,170 Btu/lb for the Ferris coals to 11,070 Btu/lb for the Hanna coals. The Atlantic Rim (Rawlins–Hanna–Carlin) coals—1.75 billion short tons; Hanna coals—4.26 billion short tons (©Lasik and others, 2009). The Atlantic Rim Natural Gas Project (ARPA) began in 2009 with a proposal to produce 210 billion cubic feet annually. The output of this project is expected to continue to 2025. In 2009a), the coal production was 4.26 billion short tons. The average heating value for the Hanna coals is 6,098 Btu/lb, and the average heat content for the Carbon coals is 6,422 Btu/lb.

**Coal Analysis:**
- As-received analysis of coal samples near the base of the Allen Ridge Mine. The Lance Formation is divided into a lower member and the upper member. The upper member contains more than 32 coals within a 1,000-ft-thick interval. The Lance Formation is extensively mined for subbituminous B coal. The Lance Formation is a major coal resource in central Wyoming, with more than 32 coals within a 1,000-ft-thick interval. The Lance Formation is extensively mined for subbituminous B coal. The Lance Formation is a major coal resource in central Wyoming, with more than 32 coals within a 1,000-ft-thick interval. The Lance Formation is extensively mined for subbituminous B coal. The Lance Formation is a major coal resource in central Wyoming, with more than 32 coals within a 1,000-ft-thick interval. The Lance Formation is extensively mined for subbituminous B coal. The Lance Formation is a major coal resource in central Wyoming, with more than 32 coals within a 1,000-ft-thick interval.

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