## Oil and natural gas extraction data

### BHP Billiton, Australia

**Oil and natural gas extraction data**

**Copyright Climate Mitigation Services**

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**Climate Mitigation Services**
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### Production / Extraction data

<table>
<thead>
<tr>
<th>Year</th>
<th>Crude Oil &amp; NGL</th>
<th>Natural Gas</th>
<th>Coal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Net production</td>
<td>Net production</td>
<td>Gross production</td>
</tr>
<tr>
<td></td>
<td>Thousand bbl/d</td>
<td>Million bbl/yr</td>
<td>Million tonnes/yr</td>
</tr>
<tr>
<td></td>
<td>Million bbl/yr</td>
<td>Million SCF/yr</td>
<td>Billion cf/yr</td>
</tr>
<tr>
<td></td>
<td>Million tonnes/yr</td>
<td>Million tonnes/yr</td>
<td>Million tonnes/yr</td>
</tr>
</tbody>
</table>

### BHP coal production

- BHP coal production is detailed in coal worksheets.

### Key data

- **Crude Oil & NGL**
  - 4.5 million bbl/d
  - 35.0 LPG + ethane
  - Crude Oil & NGL 160.0 million bbl/yr
  - LPG & ethane 180.0 million tonnes/yr

- **Natural Gas**
  - Net production
  - Net production
  - Net production
  - Gross production

- **Coal**
  - Gross production
  - Gross production

### Additional information

- Web address: [www.bhpbilliton.com](http://www.bhpbilliton.com)
- Melbourne

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**Data interpolation** indicates original reported units.
2.3 Production

2.3.1 Petroleum

The table below details BHP Billiton’s historical net crude oil and condensate, natural gas and natural gas liquids production, primarily by geographic region, for each of the three years ended 30 June 2010, 2009 and 2008. We have shown volumes of oil and gas production after deduction of applicable royalties, fuel and taxes. We have included in the table average production costs per unit of production and average sales prices for oil and condensate and natural gas for each of those periods.

### BHP Billiton Group Volumes of Production

#### Year ended 30 June

<table>
<thead>
<tr>
<th>Country</th>
<th>Crude Oil and Condensate (MMbbls)</th>
<th>Natural Gas (Tcf)</th>
<th>Natural Gas Liquids (Tcf)</th>
<th>Total Natural Gas (Tcf)</th>
<th>Total Petroleum Products Production (MMbbls of Oil Equivalent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>31,540</td>
<td>52,248</td>
<td>30,506</td>
<td>84,284</td>
<td>129,959</td>
</tr>
<tr>
<td>United States</td>
<td>45,322</td>
<td>20,818</td>
<td>12,477</td>
<td>33,295</td>
<td>52,772</td>
</tr>
<tr>
<td>Other</td>
<td>113,904</td>
<td>10,904</td>
<td>14,621</td>
<td>27,829</td>
<td>164,354</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>180,766</td>
<td>83,960</td>
<td>67,504</td>
<td>164,960</td>
<td>207,095</td>
</tr>
</tbody>
</table>

### Average Sales Price

<table>
<thead>
<tr>
<th>Country</th>
<th>Crude Oil and Condensate (US$/bbl)</th>
<th>Natural Gas (US$/Mcf)</th>
<th>Natural Gas Liquids (US$/MMBtu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>8.652</td>
<td>2,637</td>
<td>0.28</td>
</tr>
<tr>
<td>United States</td>
<td>2,014</td>
<td>4,800</td>
<td>0.20</td>
</tr>
<tr>
<td>Other</td>
<td>1,000</td>
<td>4,500</td>
<td>0.20</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>4,616</td>
<td>11,937</td>
<td>0.20</td>
</tr>
</tbody>
</table>

Oil production for 1982 and 1983 is not reported numerically, nor easily in graphic form, but as cumulative production over 1974 through 1983, showing cumulative production of ~1,720 million barrels.

Rick Heede:

E48

Natural gas delivered in 1969-1970 from Broken Hill Proprietary Company Ltd (1971) Annual Report, p. 27. This is the first year gas production is reported.

Cell: E36

Comment: Rick Heede:

Crude oil production for 1970 from Broken Hill Proprietary Company Ltd (1971) Annual Report, p. 27. This is the first year oil production is reported.

Cell: F37

Comment: Rick Heede:


Note: BHP separately reports liquid petroleum gas and ethane in tonnes. Thus column "F" notes LPG plus ethane, Column "E" reports crude oil production plus LPG + ethane converted to bbl.

Cell: E39

Comment: Rick Heede:


Cell: F47

Comment: Rick Heede:


Note: BHP separately reports liquid petroleum gas and ethane in tonnes. Thus column "F" notes LPG plus ethane. Column "E" reports crude oil production plus LPG + ethane converted to bbl.

Cell: H7

Comment: Rick Heede:


Cell: E48

Comment: Rick Heede:

Oil production for 1982 and 1983 is not reported numerically, nor easily in graphic form, but as cumulative production over 1974 through 1983, showing cumulative production of ~1,720 million barrels by 1983. While this does not square with previously reported numeric data (see our column above), this is the only data we have for 1982-83. Natural gas is not reported in any form for 1982-83. Note: the data shown in this column for 1970-1983 totals 1,022 million bbl, 628 million bbl less than BHP’s cumulative production referenced above. Source: BHP (1984) Annual Report, bar graph of cumulative and condensate production 1974-1983, p. 15.
Crude oil production for 1984 and 1985 from BHP (1989) Annual Report, p. 25. Note: we add LPG and ethane to crude oil production for both years:
1984: 75 million bbl plus (0.95 million tonnes LPG+ethane) = 81.9 million bbl;
1985: 84 million bbl plus (0.93 million tonnes LPG+ethane) = 90.8 million bbl.

Cell: D52
Comment: Rick Heede:

Cell: F54
Comment: Rick Heede:

Cell: I54
Comment: Rick Heede:

Cell: D57
Comment: Rick Heede:

Cell: H57
Comment: Rick Heede:

Cell: E65
Comment: Rick Heede:

Cell: E65
Comment: Rick Heede:
Natural gas production in BHP (2002) Annual Report for 2001, Financial Addendum, unaudited reserves statement, p. 147. This reported data also shows 2000 production 258.8 Bcf (vs 262 Bcf reported in the main section of the same annual report, which is explained as a matter of timing of production vs sales.

Cell: E66
Comment: Rick Heede:

Cell: E66
Comment: Rick Heede:

Cell: E68
Comment: Rick Heede:
Annual oil and gas production 2002-2004 from BHP (2001-2004) Quarterly reports. BHP provides poor data on production in its annual reports (e.g., 2004 rpt has three years of oil and gas data, but one datum for coal (metallurgical only) for 2004: no production table is presented in the AnnRpt appendix.

Cell: M70
Comment: Rick Heede:
Percent production (energy coal), 4thQ 2004:
RSA: 64.3 percent; heating value: 4470 - 7400 kcal/kg
USA: 17.4 percent; heating value: 4800 - 5300 kcal/kg
Australia: 10.2 percent; heating value: 6270 kcal/kg
Colombia: 8.0 percent; heating value: 6200 kcal/kg.

Cell: E71
Comment: Rick Heede:
Oil & Gas Journal OJ100 2006 and 2008, oil and natural gas production.

Cell: H72
Comment: Rick Heede:

Cell: M74
Comment: Rick Heede:

Cell: E75
Comment: Rick Heede:
Annual report 2010, Crude Oil & condensate + NGLs. Page 50.