## Oil & natural gas extraction data

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**Climate Mitigation Services**

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**Woodside Petroleum Ltd.**

Perth www.woodside.com.au

### Production / Extraction data

<table>
<thead>
<tr>
<th>Year</th>
<th>Net production</th>
<th>Natural Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Crude Oil &amp; NGL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Million bbl/d</td>
<td>Million bbl/yr</td>
</tr>
<tr>
<td></td>
<td>Net production</td>
<td>Net production</td>
</tr>
<tr>
<td></td>
<td>Net production</td>
<td>Net production</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Net production</td>
</tr>
<tr>
<td></td>
<td>Mb</td>
<td>Mb</td>
</tr>
<tr>
<td>1960</td>
<td>187 116 143</td>
<td>13 23 20</td>
</tr>
<tr>
<td>1961</td>
<td>187 116 143</td>
<td>13 23 20</td>
</tr>
</tbody>
</table>


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**Net production**

<table>
<thead>
<tr>
<th>Year</th>
<th>Condensate (Mboe)</th>
<th>Interpolated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1960</td>
<td>187 116 143</td>
<td>13 23 20</td>
</tr>
<tr>
<td>1961</td>
<td>187 116 143</td>
<td>13 23 20</td>
</tr>
</tbody>
</table>

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**Gas LNG**

<table>
<thead>
<tr>
<th>Year</th>
<th>Net production</th>
<th>Natural Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mb</td>
<td>Mb</td>
</tr>
</tbody>
</table>

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**Methodological notes**

- All reported units have been interpolated.
- Values in parentheses indicate original reported units.
- Values in italics indicate investor-owned.
### Ten-year comparative data summary

<table>
<thead>
<tr>
<th>Year</th>
<th>Australia Pipeline Gas</th>
<th>Australia LNG</th>
<th>Australian Condensate</th>
<th>Australian Crude Oil</th>
<th>Other International</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>4.6</td>
<td>3.1</td>
<td>3.4</td>
<td>6.7</td>
<td>4.3</td>
</tr>
<tr>
<td>2019</td>
<td>4.2</td>
<td>3.0</td>
<td>3.3</td>
<td>6.5</td>
<td>4.1</td>
</tr>
<tr>
<td>2020</td>
<td>4.4</td>
<td>3.2</td>
<td>3.5</td>
<td>6.8</td>
<td>4.4</td>
</tr>
<tr>
<td>2021</td>
<td>4.5</td>
<td>3.3</td>
<td>3.6</td>
<td>7.0</td>
<td>4.5</td>
</tr>
<tr>
<td>2022</td>
<td>4.6</td>
<td>3.4</td>
<td>3.7</td>
<td>7.2</td>
<td>4.6</td>
</tr>
</tbody>
</table>

**Total (million boe)**: 30.4

### Other ASX Data

- **Reserves (Proved & Probable) Gas (Trillion)**: 6.05 Tbd, 5.34 Tbd
- **Reserves (Proved & Probable) Crude Oil (MMbbl)**: 106.2, 105.0
- **Reserves (Proved & Probable) Condensate (MMbbl)**: 3.5, 3.4
- **Reserves (Proved & Probable) Oil (MMbbl)**: 108.7, 107.5

**Production (million boe)**: 2011, 14.0

### Woodside Petroleum Ltd WPL Annual report 2011, page 147

**Production (million boe)**: 2011, 14.0

### Woodside Petroleum Ltd WPL Annual report 2007, page 133

**Production (million boe)**: 2007, 13.0

### Woodside Petroleum Ltd WPL Annual report 2002, page 82

**Production (million boe)**: 2002, 12.0

### Woodside Petroleum Ltd WPL Annual report 1991, page 46

**Production (million boe)**: 1991, 4.0
Woodside Petroleum

Woodside was incorporated on 26 July 1954. It was originally named Woodside (Lakes Entrance) Oil Co NL and it was named after the small town of Woodside, Victoria. Woodside's early years were focussed on Victoria's Gippsland Basin. Switching to northern Western Australia in the early 1960s, Woodside joined up with Shell and Burmah Oil to form the original North West Shelf consortium. BHP later replaced Burmah, and with Shell, each became a 40% shareholder in Woodside. In the early 1990s both BHP and Shell agreed to sell down to 34% stakes each, before BHP sold out completely. 


On this worksheet we report extractive data for each company or state-owned enterprise. Three columns under crude oil and natural gas allow for data reported in one of three formats (e.g., thousand barrels per day, or million barrels per year, or million tonnes per year). Coal is normally reported in short tons or metric tonnes per year. The subtraction of the fraction typically sequestered in petrochemicals and other non-combusted uses such as road oils, waxes, lubricants, greases, etc. Non-fuel uses are accounted for in the emission factors and applied to each entity in the oil, gas, and coal summary worksheets.

Total net worldwide crude oil plus natural gas liquids produced by each company or state-owned enterprise. Where data is available, we list net production (after royalty production is deducted). We rely on company annual reports, Form 10-k, or other company data where available. In some cases – particularly for state-owned oil and gas companies – we use production data from the Oil & Gas Journal in its OGIS and OGIS100.

Crude production includes natural gas liquids (NGL) unless noted.

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil. Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide").

"SCM/d" = standard cubic meters per day, "cf/d" = cubic feet per day.

Net production typically excludes a number of diverted gas streams. Quantities and fractions vary; ExxonMobil's exclusions are typical of the industry: "Net production available for sale quantities are the volumes withdrawn from... natural gas reserves, excluding royalties and volumes due to others when produced, and excluding gas purchased from others, gas consumed in producing operations, field processing plant losses, volumes used for gas lift, gas injections and cycling operations, quantities flared, and volume shrinkage due to the removal of condensate or natural gas liquids production."


Gas sales by volume (see chart below), from which we estimate annual sales 1971 to 1982.

Condensate sales: 157,000 bbl.

Condensate sales: 157,000 bbl.

Woodside Petroleum Ltd annual report 1982. Shows "Gas sales by volume (see chart below), from which we estimate annual sales 1971 to 1982.

Condensate sales: 157,000 bbl.

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Condensate sales: 157,000 bbl.

Condensate sales: 157,000 bbl.


Woodside Petroleum Ltd annual report 1991, page 46. Production not reported. We use sales data, in natural gas sales (TJ), plus LNG (tonnes; from 1989 fwd only).

Woodside Petroleum Ltd annual report 1991, page 46. Production not reported. We use sales data, in natural gas sales (TJ), plus LNG (tonnes; from 1989 fwd only).


https://www.unitjuggler.com/convert-energy-from-MtLNG-to-GcfTNG.html


Woodside Petroleum Ltd WPL Annual report 2002, page 82. Gas production reported as "Domestic Gas" in TJ.

Woodside Petroleum Ltd WPL Annual report 2002, page 82. Gas production reported as "Domestic Gas" in TJ.

Woodside Petroleum Ltd WPL Annual report 2002, page 82. LNG production reported in tonnes, shown here as Mt. Conversion at right.

Woodside Petroleum Ltd WPL Annual report 2007, page 133.

Woodside Petroleum Ltd WPL Annual report 2007, page 133.

Woodside Petroleum Ltd WPL Annual report 2007, page 133.

Woodside Petroleum Ltd WPL Annual report 2007, page 133.


Production (not sales) 2009-2018, in million bbl per year, and sums "oil, LPG, condensate, and other international."

Australia pipeline gas and Australia LNG, in million boe per year. Converted to Bcf with conversion factor of 1 Mb = 5.7 Bcf.