### Technical production and equity share of major producing companies in the USA as of 2003.

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Group</th>
<th>Equity Share of Major Producing Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>1,452</td>
<td>1,433</td>
</tr>
<tr>
<td>2001</td>
<td>1,452</td>
<td>1,433</td>
</tr>
<tr>
<td>2002</td>
<td>1,452</td>
<td>1,433</td>
</tr>
</tbody>
</table>

#### Production / Extraction data

<table>
<thead>
<tr>
<th>Year</th>
<th>Company 1</th>
<th>Company 2</th>
<th>Total</th>
<th>Company 1</th>
<th>Company 2</th>
<th>Company 3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>3,800</td>
<td>3,200</td>
<td>7,000</td>
<td>3,800</td>
<td>3,200</td>
<td>7,000</td>
<td></td>
</tr>
<tr>
<td>2030</td>
<td>4,000</td>
<td>3,300</td>
<td>7,300</td>
<td>4,000</td>
<td>3,300</td>
<td>7,300</td>
<td></td>
</tr>
</tbody>
</table>

#### Crude Oil & NGL

<table>
<thead>
<tr>
<th>Company</th>
<th>Total Group</th>
<th>Equity Share of Major Producing Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>PetroFina</td>
<td>2,200</td>
<td>2,100</td>
</tr>
<tr>
<td>Elf Aquitaine</td>
<td>600</td>
<td>500</td>
</tr>
</tbody>
</table>

### Footnotes

- **Technical production** defined as equity share of wellhead production; **entitlement production** defined as FAS 69 production plus mining, including equity affiliates.
- **Total** at 31 December 2003.
- **OilGasSaudi_Yukos.xls**
- **Crude Oil & NGL**
- **Total Group**
- **Equity Share of Major Producing Companies**
- **Investor-owned**
- **Investor-owned**
## Natural Gas extraction data

### Total S.A., France

**www.total.com**, Paris

**Copyright Climate Mitigation Services**

**File started**: 11 January 2005  
**Last modified**: April 2015

### Production / Extraction data

#### Natural Gas

<table>
<thead>
<tr>
<th>Year</th>
<th>Company 1</th>
<th>Company 2</th>
<th>Company 3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920</td>
<td>11,000</td>
<td>9,000</td>
<td>2,000</td>
<td>22,000</td>
</tr>
<tr>
<td>1921</td>
<td>15,000</td>
<td>12,000</td>
<td>3,000</td>
<td>30,000</td>
</tr>
<tr>
<td>1922</td>
<td>16,000</td>
<td>14,000</td>
<td>4,000</td>
<td>34,000</td>
</tr>
<tr>
<td>1923</td>
<td>17,000</td>
<td>16,000</td>
<td>5,000</td>
<td>38,000</td>
</tr>
</tbody>
</table>

**[Get production history]**
Total annual report 1982, million tonnes of “equity oil” per year. CMS excludes 33.3 and 30.6 million tonnes of purchased oil in 1981 and 1982, respectively.

Rick Heede:
Total's annual report 1980 reports both "equity oil" production on p. 11 and crude oil resources in the operating data on p. 15. The ratio of the two: equity oil / total resources = 28.6 million tonnes / 70.7 million tonnes = 0.406. CMS applies this fraction to Total's annual reports for 1981 and 1982.

Rick Heede:
Total annual report 1978 shows "natural gas marketed on a joint basis: CFP's share" for 1974-1978. CMS only cites data for 1977 and 1978, since subsequent annual reports show higher (presumably through acquisitions or mergers, or better data) for 1975-1978.

Rick Heede:
Total's annual report 1977 and 1978 show operating data, "crude oil resources, own resources (as distinct from purchases), in kilotonnes per year" for 1973-1978. However, in the 1979 annual report it appears that Total's "own resources" does not mean gross resources; for instance, crude oil / total resources = 28.6 million tonnes / 70.7 million tonnes = 0.406. CMS applies this fraction to Total's resources reported for 1973-1978; see above.

Rick Heede:
Total annual report 1979 shows "natural gas volumes marketed on a joint basis, overall, billion cubic meters per year" for 1976-1979.

Rick Heede:
Total annual report 1978 shows "natural gas volumes marketed on a joint basis, overall, billion cubic meters per year" for 1975-1978.

Rick Heede:
Total annual report 1977 shows "natural gas volumes marketed on a joint basis, overall, billion cubic meters per year" for 1975-1977.

Total Group (1971-1972) reports in exquisite detail about the geographic permit areas in sq km, but precious little data on crude oil or natural gas produced. CMS has culled a few bits of quantitative data for 1971 and/or 1972. While it raises questions about reliable reporting, we quote: North Africa: "Your Company's offtakes represented a volume of 1,094,500 b/d vs. 1,082,100 b/d in 1971." Oil & Gas Journal OGJ (1972) reports production data, billion cf (Bcf) per year, various years.

Chart of the major energy companies dubbed "Big Oil" sorted by latest published revenue As of 2010, Total had over 96,000 employees and operated in more than 130 countries [2] As recently as 1992, the French government still held 5% of the firm’s shares, down from a peak of over thirty percent. In the time period between 1990 and 1994, foreign ownership of the firm increased from 23 per cent to 44 per cent. Qatar is reported to have a 3 percent stake.

North America: "Your Company's offtakes originating mainly from operations in Canada, was 5,500 b/d of crude oil" and 12.1 million cf of natural gas, i.e., an increase of respectively 19% and 7% as compared to 1971.


Middle East: "Your Company's offtakes represented a volume of 1,082,100 b/d vs. 1,082,100 b/d in 1971."

Norway: "Gaslifts, ... from which your Company dilled its share of oil in two fields of 314,000 barrels."

CMS enters these data, even though mis-reported by Total.

CMS assumes that all of the pipelined crude oil is produced by CFP-Total. That said, CMS does not have data on CFP-Total's worldwide oil production, of which its Kirkuk operations may be a small part.

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


Total FinaElf

shares, down from a peak of over thirty percent. In the time period between 1990 and 1994, foreign ownership of the firm increased from 23 per cent to 44 per cent. Qatar is reported to have a 3 percent stake.
OGJ100 6Sep2010 pg 67

Rick Heede:

V107
AR2010 Total+share of equity and non-consolidated affiliates

Rick Heede:
P107
AR2010 Liquids total production +share of equity and non-consolidated affiliates

Rick Heede:

D107
AR2010 reports 4837+298=5135 Total+share of equity and non-consolidated affiliates

Rick Heede:
P106
OGJ100 6Sep2010 pg 67, increased earlier reported 2008 production

Rick Heede:

H106
AR2010 shows 1456+347=1803 Liquids total production +share of equity and non-consolidated affiliates (Rhea)

CMS cites Total’s own data for “technical production” of natural gas (see data in columns “M” and “N”) for 2004-2008. CMS cites Oil & Gas Journal’s OGJ100 and other sources (such as Elf Aquitaine) for 1970-2003.


CMS uses Total data from its Fact book 2008 for 2004-2008 production, “technical production” (which appears to translate as equity share of gross production; Oil & Gas Journal OGJ100 cites Total’s “entitlement production” instead.

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OilGasSaudi_Yukos.xls