Fakta 2005
Kapittel 1
Production level and start-up date for important fields

Source: NPD/MPE

Crude oil NGL Gas

Ekofisk Frigg Statfjord Gullfaks Oseberg Sleipner Øst Åsgard Troll I, Sleipner Vest Troll II, Heidrun Kristin Ormen Lange Snøhvit
The largest oil producers and exporters in 2004

Oil production including NGL and condensate

- UAE: 2,35
- Venezuela: 2,60
- Canada: 3,08
- Norway: 3,19
- China: 3,49
- Mexico: 3,83
- Iran: 3,96
- USA: 7,62
- Saudi Arabia: 9,02
- Russia: 9,20

Net oil export including NGL and condensate

- Iraq: 1,51
- Mexico: 1,76
- Kuwait: 2,01
- UAE: 2,01
- Nigeria: 2,04
- Venezuela: 2,10
- Iran: 2,47
- Norway: 2,93
- Russia: 6,47
- Saudi Arabia: 7,04

Source: Petroleum Economics Ltd.
Macroeconomic indicators for the petroleum sector

- The petroleum sector’s share of GDP: 21%
- The petroleum sector’s share of state revenues: 28%
- The petroleum sector’s share of total investment: 24%
- The petroleum sector’s share of total exports: 47%

Source: Statistics Norway, Ministry of Finance
The size of the Petroleum Fund at 31.12.04 and as a share of GDP

Source: Norwegian Public Accounts, Statistics Norway
Production forecast

Source: NPD/MPE
Historic investments and forecasted future investments

Source: NPD/MPE
Kapittel 2
Statleg organisering av petroleumssverksemnda

Stortinget (Parliament)

The Government

Ministry of Petroleum and Energy
- The Norwegian Petroleum Directorate
  - Petoro AS
  - Gassco AS
  - Statoil ASA

Ministry of the Environment
- The Norwegian Pollution Control Authority

Ministry of Labour and Social Affairs
- The Petroleum Safety Authority Norway

Ministry of Fisheries and Coastal Affairs
- Norwegian Coastal Administration
- Government Petroleum Fund
- Petroleum Tax Offices

Ministry of Finance
Kapittel 3
Exploration wells started on the NCS 1966-2004

Number of exploration wells started

- Wildcat wells
- Appraisal wells

Source: NPD
Kapittel 4
Distribution of all production by field on the NCS

Oil production in 1995 by field

- Oseberg: 18%
- Gullfaks: 18%
- Statfjord: 17%
- Ekofisk: 8%
- Others: 39%

Oil production in 2004 by field

- Troll: 11%
- Others: 39%
- Ekofisk: 10%
- Statfjord: 4%
- Grane: 4%
- Norne: 4%
- Oseberg: 5%
- Heidrun: 5%
- Draugen: 5%
- Gullfaks: 6%
- Snorre: 7%
- Troll: 11%

Source: NPD
Distribution of resources – on-stream fields

Source: NPD
Production trends for the Ekofisk, Varg, Oseberg og Ula fields

Ekofisk

Varg

Oseberg

Ula

Source: NPD
Lifetimes for selected fields

Source: NPD
Social accounts 1969-2004 for Ekofisk

Total value creation from the Ekofisk sector to the end of 2004 (at 2004 values) was NOK 1 260 billion.

- Goods and services: 444 billion
- Employees: 50 billion
- Lenders: 24 billion
- Owners: 132 billion
- Taxes and levies: 626 billion

Source: ConocoPhillips
kapittel 6
Historic and estimated Norwegian gas exports

Source: NPD/MPE
Sales of NGL/condensate 2004*

Total 21,1 mill scm oe

- USA: 18.3%
- Netherlands: 17.8%
- Norway: 19.8%
- Finland: 2.0%
- Denmark: 6.9%
- France: 3.8%
- Germany: 1.9%
- Sweden: 8.5%
- UK: 4.7%
- Turkey: 3.9%
- Mexico: 2.2%
- Others: 7.6%
- Belgium: 2.6%
- USA: 18.3%
- Others: 7.6%

* by country of first destination

Source: NPD
Norwegian natural gas exports 2004

Total 77.7 bill scm oe

- Germany: 31.8%
- UK: 14.4%
- France: 20.7%
- Netherlands: 8.4%
- Spain: 3.0%
- Italy: 7.6%
- Austria: 0.9%
- Czech: 2.7%
- Denmark: 0.1%
- Belgium: 9.8%
- Poland: 0.6%
- Other: 14.4%

Source: NPD
kapittet 7
The net government cash flow from petroleum activities

Source: National Accounts and National Budget
### National Budget 2005

<table>
<thead>
<tr>
<th>Source</th>
<th>NOK billion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct taxes</td>
<td>113,6</td>
</tr>
<tr>
<td>Royalty, CO2-tax, Area fee</td>
<td>4,5</td>
</tr>
<tr>
<td>SDFI</td>
<td>80,2</td>
</tr>
<tr>
<td>Statoil dividend</td>
<td>5,2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>203,4</strong></td>
</tr>
</tbody>
</table>

*Source: National Accounts and National Budget*
## Calculation of petroleum tax

Operating income (norm price)  
\[ \div \] Operating expenses  
\[ \div \] Linear deprecation for investments (6 years)  
\[ \div \] Exploration expenses  
\[ \div \] CO\(^2\)-tax and area fee  
Net financial costs (limited by the thin capitalisation rule:  
\[ \div \] 20\% equity)  
\[ = \] Corporation tax base (tax rate: 28\%)  
\[ \div \] Uplift (7.5\% for investment for 4 years)  
\[ = \] Special tax base (tax rate: 50\%)  

Source: MPE
kapittel 8
Emissions of taxable CO$_2$ per produced unit

Source: NPD
Emissions of NO\textsubscript{x} per produced unit

Source: MPE/NPD
nmVOC emissions per produced unit

Source: MPE/NPD
Content of production, injection and pipeline chemicals in produced water

Source: Environment Web
Emissions to the air

- Diffusive emissions
- Gas turbine exhaust
- Gas flaring
- Diesel fuel exhaust
- Well testing
- Gas venting
Discharges to the sea

- Seewage/household effluents
- Drains
- Drilling discharges
- Spill
- Produced water
- Cooling water
- Displacement water
kapittel 9
Petroleumsressursar og uvissa i estimata per 31.12.2004

Source: NPD
appendix
The net government cash flow from petroleum activities

Source: National Accounts and National Budget
Total petroleum production

Source: NPD/MPE
Macro economic indicators for the petroleum sector

Source: Statistics Norway, Ministry of Finance
NPD’s resource classification system

Undiscovered resources

- 8 Prospects
  - Leads and unmapped resources

Contingent resources

- 7F New discoveries that have not been evaluated

- 6 Recovery not very likely
- 5F Recovery, likely but not clarified
- 5A
- 4F In the planning phase
- 4A
- 3F Licensees have decided to recover
- 3A
- 2F Approved development and operation plan
- 2A
- 1 In production
- 0 Sold and delivered petroleum

Reserves

- 7A Possible future measures to improve the recovery factor

Historical production