(Approved developments regarded as an upgrade to existing fields are covered in chapter 12, even if the project has required separate approval of a plan for development and operation.)

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### Kristin (Halten Bank West)

**Blocks and production licences**

**Progress**
- Government approval: December 2001
- Planned production start-up: October 2005

**Operator**
- Statoil ASA

**Licensees**
- Statoil ASA 46.60%
- Petoro AS\(^1\) 18.90%
- Norsk Hydro Produksjon a.s 12.00%
- Mobil Development Norway AS 10.50%
- Eni Norge AS 9.00%
- Total E&P Norge AS 3.00%

**Recoverable resources**
- Gas: 34.9 bn scm
- NGL: 8.5 mill tonnes
- Condensate: 34.6 mill scm

**Investment (Kristin)**
- Total investment is likely to be NOK 18.2 bn (2004 value)

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\(^1\) Petoro AS serves as the licensee for the SDFI.

Halten Bank West embraces the production licences which contain Kristin and the Lavrans, Erlend, Morvin and Ragnfrid discoveries. Found in 1997, Kristin lies about 20 km south-west of Åsgard’s Smørbukk deposit. The plan for development and operation was approved in December 2001.

Development of this field is based on a subsea production facility tied back to a semi-submersible production platform. Plans call for the rich gas to be piped through the Åsgard Transport trunkline to Kårstø for separation of the NGLs, while condensate will be piped to Åsgard C for storage and export by shuttle tanker.
Kvitebjørn

Block and production licence

Progress
Government approval: June 2000
Planned production start-up: October 2004

Operator
Statoil ASA

Licensees
- Statoil ASA 50.00%
- Petoro AS 30.00%
- Norsk Hydro Produksjon a.s 15.00%
- Total E&P Norge AS 5.00%

Recoverable reserves
Gas: 51.8 bn scm NGL: 0.5 mill tonnes Condensate: 20.4 mill scm

Investment
Total investment in field and pipelines is likely to be NOK 10.1 bn (2004 value)

1 Petoro AS serves as the licensee for the SDFI.

Kvitebjørn was proven in 1994 and lies south-east of Gullfaks. It is being developed with a fixed production platform carrying drilling package, processing facilities and quarters module. The topside is being fabricated at ABB in Haugesund, the quarters module by Leirvik Sveis, the drilling package by Heerema Tønsberg and the jacket by Aker Verdal. All production wells will be drilled from the platform. Four of 11 gas producers are due to be ready to begin production in October 2004. The facilities are dimensioned for a daily output of 20.7 mill scm of rich gas and 10 000 scm of condensate. Rich gas will be piped through a new line to Kollsnes for further processing and export. Stabilised condensate will be transported to the crude oil terminal at Mongstad in the new Kvitebjørn Oil Pipeline and a tie-in to Troll Oil Pipeline II.

Skirne (incl Byggve)

Block and production licence

Progress
Government approval: 5 July 2002
Planned production start-up: March 2004

Operator
Total E&P Norge AS

Licensees
- Total E&P Norge AS 40.00%
- Petoro AS1 30.00%
- Marathon Petroleum Norge AS 20.00%
- Norsk Hydro Produksjon a.s 10.00%

Recoverable reserves
Oil: 1.6 mill scm Gas: 6.7 bn scm

Investment
Total investment is likely to be NOK 2.3 bn (2004 value)

1 Petoro AS serves as the licensee for the SDFI.

Skirne, proven in 1990, and Byggve, discovered the following year, lie about 20 km east of Heimdal. Following an application from the operator, Byggve has been regarded as part of Skirne from the autumn of 2003. The development comprises a wellhead platform on each discovery and a joint 24-km pipeline to Heimdal.
**Snøhvit (incl Albatross and Askeladd)**

<table>
<thead>
<tr>
<th>Blocks and production licences</th>
<th>Blocks 7120/5 and 7121/5 - production licence 110. Awarded 1985.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Block 7120/6 - production licence 097. Awarded 1984.</td>
</tr>
<tr>
<td></td>
<td>Block 7120/7 - production licence 077. Awarded 1982.</td>
</tr>
<tr>
<td></td>
<td>Block 7121/7 - production licence 100. Awarded 1984.</td>
</tr>
</tbody>
</table>

**Progress**

- Planned production start-up: December 2005

**Operator**

- Statoil ASA

**Licensees**

<table>
<thead>
<tr>
<th>Licensee</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petoro AS¹</td>
<td>30.00%</td>
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<tr>
<td>Statoil ASA</td>
<td>22.29%</td>
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<tr>
<td>Total E&amp;P Norge AS</td>
<td>18.40%</td>
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<tr>
<td>Gaz de France Norge AS</td>
<td>12.00%</td>
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<tr>
<td>Norsk Hydro Produksjon a.s</td>
<td>10.00%</td>
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<tr>
<td>Amerada Hess Norge AS</td>
<td>3.26%</td>
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<tr>
<td>RWE Dea Norge AS</td>
<td>2.81%</td>
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<tr>
<td>Svenska Petroleum Exploration AS</td>
<td>1.24%</td>
</tr>
</tbody>
</table>

**Recoverable reserves**

- Gas: 161.0 bn scm
- NGL: 5.1 mill tonnes
- Condensate: 17.9 mill scm

**Investment**

- Total investment, excl the gas liquefaction plant, is likely to be NOK 18.6 bn (2004 value)

¹ Petoro AS serves as the licensee for the SDFI.

**Discovered in 1984, Snøhvit lies about 140 km north-west of Hammerfest and comprises the Askeladd and Albatross finds as well as the main discovery. The operator’s development solution is based on subsea installations tied back to Melkøya outside Hammerfest by a pipeline for gas and condensate. The gas will be processed on land and transported to market in liquefied natural gas (LNG) carriers. Investment in the gas liquefaction plant is expected to total NOK 22.6 bn (2004 value).**