

[◀ BACK](#)[Contacts](#) | [Print](#) | [Email](#)**Statoil Awards WesternGeco Q-Marine 4D Projects in Norway**

Repeat Surveys to Help Statoil Manage Production in the Norwegian Sea

LONDON, June 30, 2004 - WesternGeco announced today that Statoil ASA has awarded the company a contract for two Q-Marine\* 4D monitor seismic surveys over the Heidrun and Norne fields on the Halten Terrasse, Norwegian Sea. Both assignments repeat earlier Q-Marine surveys.

"We selected the WesternGeco Q-Technology\* because of the repeatability provided by streamer steering and minimum azimuth variation between base and monitor surveys," said Erik Håvarstein, manager seismic acquisition, Statoil.

The Heidrun project began in mid-June and is repeating a Q\* baseline survey acquired by WesternGeco in 2001.

The Norne survey will start in mid-July. It will repeat the highly successful Q-on-Q surveys performed in 2001 and repeated in June 2003 after 22 months of oil and gas production. On these data, 4D signal was clearly visible on 2D QC brute stacks only hours after line completion due to the high fidelity of the fully calibrated, steerable streamer acquisition system and deterministic onboard processing.

"Our first Q surveys on Norne confirmed that the repeatability was accurate enough to detect subtle 4D effects, and resulted in changed drilling plans. We expect the 2004 surveys to similarly increase our knowledge of these reservoirs," said Hans A. Aronsen, project leader, seismic activities, Halten-Nordland Area, Statoil Harstad.

The Geco Topaz will again acquire the surveys, towing six 3200-meter cables with 50-meter separation, duplicating acquisition parameters on the earlier surveys.

"Statoil is a pioneer in 4D reservoir applications and we expect that these repeat surveys will again provide the high-resolution data necessary to monitor change in these important reservoirs," said Roar Bekker, manager, WesternGeco Europe.

Q is the WesternGeco proprietary suite of advanced seismic technologies for enhanced reservoir location, description and management. For additional information on Q-Marine, the world's only fully calibrated, point-receiver marine seismic acquisition system, visit [westerngeco.com](http://westerngeco.com).

**About Schlumberger**

Schlumberger is the world's leading oilfield services company supplying a wide range of products and services from formation evaluation through directional drilling, well cementing and stimulation, well completions and productivity to consulting, software, information management and IT infrastructure services that support core industry operational processes. Today, the company employs more than 45,000 people of over 140 nationalities working in 100 countries. Schlumberger also manages WesternGeco, jointly owned with Baker Hughes, which is the world's largest seismic company and provides advanced acquisition and data processing services. In 2003, Schlumberger operating revenue was \$11.4 billion. For more information, visit [slb.com](http://slb.com).

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\*Mark of WesternGeco

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