



Permanent Reservoir

Monitoring - Stingray

BOS coordinated two near shore field trials at the QinetiQ testing facility in Weymouth (UK) for Stingray Geophysical, in October and November 2006.

The trials involved testing Stingray's fibre optic, permanent reservoir monitoring solution against conventional monitoring technology.

Stingray's test system encompassed a fibre optic cable, with multiple optical sensor units, which was then placed on the seabed. This system then communicated back to shore to the laser based interrogator and recording system.

Each sensor unit comprises four optical sensors (one hydrophone and three orthogonally mounted accelerometers).

The objective of the trial was to evaluate the at-sea performance of new sensor unit designs.

During the trials numerous lines were shot and the data collected was then analysed. The results of the data analyses were promising and support the viability of the Stingray technology for cost-effective permanent seismic reservoir monitoring.

BOS was responsible for coordinating marine operations including:

- QHSE preparation and evaluation.
- Supervising operations offshore.
- Navigation and source.
- Coordinating logistics.

The data acquisition objectives were successfully met within the anticipated timeframe, budget and without any QHSE incidents

This trial represents a huge advance for permanent reservoir monitoring.

Client:

Stingray Geophysical Ltd

Project Type:

Permanent Reservoir Monitoring

Location:

Bincleaves Weymouth, UK

Participants:

Bergen Oilfield Services

Stingray Geophysical Ltd

Quest Geo Solutions

Sercel

QinetiQ

Exploration Electronics

Duration:

7 + 4 days

