

# INTRODUCING OCEANGEO

The newest name in experienced ocean bottom seismic acquisition.

OceanGeo specializes in multicomponent ocean bottom seismic (OBS) acquisition. We offer a full suite of OBS services, providing superior OBS data to help oil & gas companies gain insights for reservoir development decisions.

Leveraging the operational expertise and experience of OceanGeo and the technology leadership of ION, we offer a full suite of ocean bottom seismic services, providing superior ocean bottom seismic data to help oil & gas companies gain insights for reservoir development decisions.

While we have a new name, we have a proven track record of successfully acquiring ocean bottom seismic data, safely and efficiently. Our crew has been operating together offshore Brazil, one of the world's most challenging environments, since 2008. Now we bring that expertise and experience to the global marketplace.

## OUR SERVICES

### Survey Design, Planning & Optimization

OceanGeo's survey design experts plan seismic surveys to maximize seismic image quality, operational efficiency, and safety, while ensuring that the recorded seismic energy will accurately image the target. By modeling multiple acquisition scenarios, we recommend the tools and techniques to deliver the best images as cost effectively as possible. We custom design surveys to help clients achieve their objectives, taking into consideration regional geology and sea floor conditions, safety and environmental factors, permitting and regulatory issues, and budget constraints. Our expertise with converted-wave (C-wave) and shear-wave (S-wave) data enables us to design acquisitions optimized for the best possible recording of C-wave data.

### Data Acquisition

Our experienced crew uses industry-leading acquisition technologies to acquire superior, full-wave (multicomponent) data, safely and efficiently, in even the most challenging environments.



**We are committed to protecting our people and the environment** through a culture of continuous improvement, a safe work environment, and through responsible resource management.

### Proven acquisition technologies

OceanGeo uses industry-leading VectorSeis® Ocean (VSO) technology to record the full seismic wavefield with unsurpassed vector fidelity, providing the highest resolution data in water depths ranging from 5 to 2,000 m. Patented technology acoustically isolates the sensor from the cable, providing superior coupling to the seabed, higher signal to noise ratio, and excellent vector fidelity.

Since 2004, VSO has delivered exceptional full-azimuth imaging in the Gulf of Mexico, North Sea, West Africa, deepwater offshore Brazil and in the Caspian Sea. OceanGeo has exclusive use of the Calypso™ next generation VSO system, which delivers unrivaled VSO imaging, even more efficiently and in deeper water.

### Safe, efficient acquisition

OceanGeo reduces cost and cycle time, enabling use of ocean bottom seismic on more of your prospects. You can make faster decisions, work within short acquisition windows, and reduce your HSE risk.

- Large spreads (with unlimited number of 12-24 km cables) optimize efficiency.
- Buoy-based recording enables faster deployment and retrieval versus other seabed systems, including node systems, and minimizes HSE exposure.
- State-of-the-art command and control system integrates and manages all navigation and positioning data and provides automated QC and final nav merged seismic data, reducing image cycle time and minimizing the risks associated with distributed, multi-vessel operations.

### Extensive experience

The OceanGeo management team has over 100 years of ocean bottom seismic experience. Our senior crew members average over 15 years of global experience. And our crew has been operating together offshore Brazil, one of the world's most challenging environments, since 2008. They are intimately familiar with ocean bottom seismic and the VSO system.

### Data Processing, Interpretation & Reservoir Services

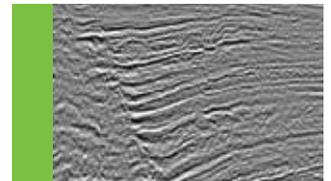
OceanGeo provides data processing and interpretation of ocean bottom data directly and through ION's GX Technology (GXT) group, an industry leader in full-wave (multicomponent) imaging. GXT has processed more than 50 full-wave projects worldwide, including the largest ocean bottom 4C project ever recorded and processed.



Industry-leading VSO technology delivers superior imaging.



OceanGeo's senior crew members average over 15 years of global experience.



OceanGeo leverages proven GX Technology data processing expertise.

## CONTACT US

OceanGeo is headquartered in Houston, Texas and Rio de Janeiro, Brazil.

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