

## CGG Cuts Cycle Time of OBN Imaging at Mad Dog Field

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Subsurface Imaging, part of CGG's Geoscience division, has delivered a step-change in subsalt image quality over the Mad Dog field in the Green Canyon area of the Gulf of Mexico. Through continued investment in imaging technology and supercomputing capacity, CGG was able to reduce project cycle time by almost half while delivering greatly improved subsalt images. Fast access to high-quality images was critical to BP and partners in modifying and optimizing the ongoing drilling program.

Ocean-bottom nodes (OBN) seismic data combined with full-waveform inversion (FWI), for velocity model derivation, provided this step-change improvement in imaging at the subsalt Mad Dog Field. Project cycle time was significantly reduced, when compared to projects where the velocity model was constructed using discrete interpretation methods. FWI provided a fast-track velocity model that facilitated a superior migration for depth imaging just weeks after delivery of the OBN data.

Sophie Zurquiyah, CEO, CGG, said: *"CGG has demonstrated again that it is the provider of choice in OBN imaging around the world, particularly for subsalt imaging in the deepwater Gulf of Mexico. With our advanced technology and close collaboration with imaging and interpretation geophysicists from our clients, CGG continues to improve image quality and reduce cycle time for all imaging projects."*

### About CGG

CGG ([www.cgg.com](http://www.cgg.com)) is a fully integrated Geoscience company providing leading geological, geophysical and reservoir capabilities to its broad base of customers primarily from the global oil and gas industry. Through its three complementary businesses of Equipment, Acquisition and Geology, Geophysics & Reservoir (GGR), CGG brings value across all aspects of natural resource exploration and exploitation. CGG employs around 5,100 people around the world, all with a Passion for Geoscience and working together to deliver the best solutions to its customers. CGG is listed on the Euronext Paris SA (ISIN: 0013181864).



## Contacts

### **Group Communications & Investor Relations**

Christophe Barnini

Tel: + 33 1 64 47 38 11

E-Mail: [invreparis@cgg.com](mailto:invreparis@cgg.com)

