

ION Offers RTM-based Velocity Modeling Tool

GXT's RTM³ Allows Rapid Modification of Geophysical Salt Models

HOUSTON – June 6, 2011 – ION Geophysical Corporation (NYSE: IO) today announced that its GX Technology (GXT) Imaging Solutions group has introduced a new suite of data processing tools that allow interpreters within E&P companies to quickly test salt model hypotheses in 3D using Reverse Time Migration, securely from their desktops. Known as RTM³, which stands for Real-time Model Morphing and Migration, this new technology allows the interpreter to test “what if” scenarios in a matter of hours rather than weeks.

As the challenges of exploring and producing in subsalt reservoirs become more complex, E&P companies continue to look for faster and more efficient ways to reduce their risk and improve drilling success. Interpreters within E&P companies use velocity model building as a key step in depth imaging, which provides necessary input into well placement during both exploration and development. Until now, the only choice in rapid model building was a beam migration. GXT's new RTM³ leverages the more robust, GXT-pioneered Reverse Time Migration (RTM) technology to deliver production-sized models substantially faster than was previously possible.

According to Nick Bernitsas, Senior Vice President of ION's GXT Imaging Solutions group, initial feedback from GXT's clients has been extremely positive. Mr. Bernitsas commented, “Our clients are thrilled to be able to accomplish what used to take days or weeks in just a few hours, without sacrificing image quality. At the heart of the RTM³ suite is GXT's standard RTM engine with full frequency and anisotropy options, but we've added a simplified user interface that allows them fast and secure access to their data and the software, from their desktops. They see RTM³ as a true step-change improvement in velocity model building.”

For more information on RTM³, visit iongeo.com/rtm3.

About ION

ION Geophysical Corporation is a leading provider of geophysical technology, services, and solutions for the global oil & gas industry. ION's offerings allow E&P operators to obtain higher resolution images of the subsurface to reduce the risk of exploration and reservoir development, and enable seismic contractors to acquire geophysical data more efficiently. Additional information about ION is available at www.iongeo.com.



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The information included herein contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Actual results may vary fundamentally from those described in these forward-looking statements. All forward-looking statements reflect numerous assumptions and involve a number of risks and uncertainties. These risks and uncertainties include risk factors that are disclosed by ION from time to time in its filings with the Securities and Exchange Commission.