ION Expands ArcticSPAN Regional Seismic Program

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6,500 Kilometers of Basin-scale Data Acquired Offshore Northeast Greenland

HOUSTON, Oct 14, 2010 /PRNewswire via COMTEX/ -- ION Geophysical Corporation (NYSE: IO) today announced that it has acquired 6,500 km of regional seismic data for sponsoring E&P clients in the Danmarkshavn basin offshore Northeast Greenland, adding to the 5,300 km of data the company acquired there last season. The Danmarkshavn basin is one of the least explored, most prospective basins in the Arctic region, an area the United States Geological Survey (USGS) estimates could contain nearly 25% of the world's undiscovered oil and gas resources.

ION once again deployed its purpose-designed marine streamer technology to acquire data in the presence of ice. Together, ION's Intelligent Acquisition(TM) toolkit and Arctic program management expertise enabled the company to acquire data further north and in the presence of heavier ice than had been previously possible, at the same time mitigating HSE risk and reducing cycle time. As a result, ION is now confident that it has expanded the Arctic operational season to six months, dramatically longer than the industry's traditional Arctic acquisition season of one to two months.

Joe Gagliardi, ION's Arctic Solutions and Technology Director, commented, "This extension to our Greenland regional program was designed to provide a better understanding of high potential petroleum systems including the North Danmarkshavn Salt Basin, the Northeast Greenland Volcanic Province, and the Thetis Basin. The success of the 2010 expansion serves as further confirmation of the viability and value of our proprietary in-ice [IA] Arctic solution."

ION's ArcticSPAN(TM) program now offers regional exploration teams more than 40,000 km of deeply imaged seismic data in the Arctic region covering the Beaufort-MacKenzie, Banks Island, Chukchi, East Greenland Rift, and Danmarkshavn basins. Together, this data provides E&P companies with an understanding of the relationships among micro basins in the area, which they can use to more effectively assess the Arctic's hydrocarbon potential, identify new opportunities, and mitigate exploration risk.

To learn more about ION's ArcticSPAN program, visit www.iongeo.com/ArcticSPAN.

To learn more about ION's Intelligent Acquisition technology, visit www.iongeo.com/ia101.

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 http://www.iongeo.com/

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.

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