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FOR IMMEDIATE RELEASE

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Headwave and Lumina Join Forces

Headwave Inc., a global leader in high-performance geoscience application development and deployment, and Lumina Geophysical LLC., are pleased to announce that Headwave's Enterprise Development Framework and API will provide the backbone of Lumina's future development of proprietary software tools and workflows targeted at the global processing and interpretation community. These workflows will be made available as commercial extensions to Headwave's software, globally marketed and sold by Lumina and Headwave.

The necessity and thus interest of leveraging the wealth of information contained in pre-stack data has grown dramatically in the past few years and beyond the need to solve the logistical challenge of pre-stack data management and real time access, the key challenge is to develop integrated workflows that extract all of the relevant information from these massive datasets.

The two companies have chosen to collaborate to create major advances in computerized techniques for seismic processing, interpretation and imaging, which in turn will be used to reveal structures buried deep in the earth in order to locate oil and gas deposits. Headwave's tools have integrated pre-stack data management, computation, and visualization enabling tightly integrated and interactive workflows that blur the lines between processing and interpretation, and provide the best possible leverage for extracting the most value in the shortest time from pre-stack data.

Lumina has developed the 2nd generation of seismic enhancement tools based on spectral decomposition and inversion techniques mastered by John Castagna over the years. The main areas Lumina is working on are the unconventional plays in the US. Lumina also works over a variety of geographical areas providing integrated geophysical solutions.

To enable end-users and developers to extend existing vendor functionality and create integrated workflows, Headwave delivers an Enterprise Development Framework and API. Such workflows can include "top-shelf" company-proprietary codes, leverage connections between all platforms supported by Headwave's data connectivity, and most importantly, utilize the wide range of tools available through its partnerships with super-majors, national oil companies and boutique software vendors to create even more valuable meta-functionality that spans cross-disciplinary workflows.

David Markus of Headwave Inc. stated "We (Headwave) have integrated pre-stack data management, including interactive slice and volume rendering of pre-stack data since our first commercial release in 2006. Since then, we have released a completely new product that

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focuses strongly on making all relevant data and pre-stack workflows easily accessible for interpreters. We are singularly able to leverage our tight integration to other vendors' platforms, allowing end-users and developers across the spectrum, be they at super-majors or "mom-and-pop" shops, to extend existing functionality and create integrated workflows."

About Headwave, Inc.

Headwave Inc., a high-technology company that develops and markets software tools for seismic analysis, were one of the first vendors to use GPGPU (general-purpose computation on GPUs) for commercial purposes. Headwave has commercialized a proprietary pre-stack storage system that is highly optimized for GPU/HPC-enabled visualization and computation. Headwave Inc. has been a leader in high-performance geoscience application development since 2005. Headwave Inc. is headquartered in Houston, USA and has offices in The Netherlands and in Norway. For more information, contact David Markus at david.markus@headwave.com, (+1 713 554 3940) or Diderich Buch at diderich.buch@headwave.com, (+47 92290446) or visit their website at www.headwave.com.

About Lumina Geophysical, LLC

Houston-based Lumina Geophysical, LLC ("Lumina") is a provider of technology and services for the oil and gas industry. Lumina offer a full range of geophysical services and consulting from acquisition design through quantitative seismic analysis. Currently, Lumina is an industry leader in high-resolution spectral decomposition and inversion and has internationally recognized expertise in AVO analysis. For more information, visit www.luminageo.com.