



**ROCK SOLID IMAGES ANNOUNCES ISSUE OF PATENTS AND NEW SERVICES RELATED TO ATTENUATION (Q) MODELING, AND FRACTURE DETECTION VIA DIFFRACTION IMAGING**

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**Houston, September 2006** - Rock Solid Images today announced the award of two United States Patents: "Method for Determining Formation Quality Factor from Well Log Data and its Application to Seismic Reservoir Characterization" (US Patent No. 7,088,639) and "Method for Detecting Earth Formation Fractures by Seismic Imaging of Diffractors" (US Patent No. 7,085,195)

The first patent is an exciting new technology that allows Rock Solid Images to compute seismic Q and attenuation from commonly available open-hole well log data and then to use these data to more accurately model and invert seismic images of oil and gas bearing formations.

The principal inventor and Vice President of R&D for Rock Solid Images, Dr. Joel Walls, stated "This patent is a culmination of years of research and development into the use of seismic Q and attenuation as an additional, independent variable for use in quantitative interpretation (QI) of seismic data. The evolution of QI began with "bright spots", and has advanced through many stages including acoustic impedance inversion, AVO, neural networks, and stochastic inversion. With our new Q-based modeling technology, we have added a new dimension that will allow us to more accurately predict lithology, porosity, and fluid saturation in the sub-surface. We wish to acknowledge support of this research from the United States Dept. of Energy, and from the Rock Solid Images "Q Consortium", a group of oil and gas industry sponsors."

Rock Solid Images will commercialize this technology in its iMOSS software application, the industry-leading rock properties and seismic modeling software package, as well as via RSI's quantitative interpretation services available to clients worldwide.

This second patent relates to imaging of diffraction energy present on long-offset seismic data for direct detection of fractures.

Stated Dr. M. Turhan Taner, Vice President and Chief Geophysicist of Rock Solid Images "This patent grew from a collaboration between Rock Solid Images and Dr. Evgeny Landa from the OPERA consortium in Pau, France. Our patent describes an important and novel new method for seismic fracture detection, likely to be particularly effective in the reservoir characterization of carbonate reservoirs."

Rock Solid Images, headquartered in Houston, Texas, is an industry leader in the application of rock-physics for integrating and calibrating seismic and borehole data to provide geologic insight and reservoir understanding at all stages of the oilfield lifecycle

Rock Solid Images can be found on the web @ [www.rocksolidimages.com](http://www.rocksolidimages.com)

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