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## FUGRO-JASON NEWS

FOR IMMEDIATE RELEASE

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### **Fugro-Jason Introduces Well Tie and Advanced Well Tie**

New applications ensure alignment of wells and geology to seismic

**November 22, 2010—Houston** – Fugro-Jason today announced the release and commercial availability of its new Well Tie and Advanced Well Tie applications for wavelet estimation. These applications, based on more than a decade of research and experience in the field, can be used for a wide range of tasks from basic synthetic well tie to multi-well, multi-trace wavelet estimation. Well Tie and Advanced Well Tie are part of the Jason Suite and can be used independently or as part of a larger inversion workflow. [Fugro-Jason](#) is a leader in reservoir characterization technology for the oil and gas industry.

"Well Tie brings together the proven Jason Well Tying and Wavelet Estimation technology in a useful package for geophysicists, geologists, and petrophysicists who want to confidently tie their wells and estimate wavelets," said Joe Jacquot, Fugro-Jason Strategic Marketing Manager. "The straightforward workflow, effective QCs, and unique ability to tie both geology and seismic make this a practical tool for everyday work."

Well Tie provides a powerful set of capabilities for the generation of a synthetic seismogram, tying the well to the seismic. Available functions include: create, scale and edit synthetic wavelets, transform wavelet, average wavelets, merge wavelet amplitude and phase spectra and find the optimal well position. AVO/AVA features are also included for AVO reconnaissance and analysis, as are elastic impedance and AVO/AVA-Gather modes.

Well Tie Advanced supports multi-trace, multi-well wavelet estimation. The application operates in full stack or AVA/AVO mode and includes numerous QCs to ensure wavelet quality. Well Tie Advanced supports sensitivity analysis and enables estimation of: wavelet amplitude spectrum, wavelet constant phase spectrum, constrained AVO/AVA wavelet, and wavelet amplitude and phase spectrum, which uses Fugro-Jason's constrained sparse spike inversion behind the scenes to provide powerful confirmation that the geology is tied correctly. Full wave form modeling is also included for analysis when multiples or mode converted waves may affect the seismic.

Well Tie and Well Tie Advanced are available on Linux and Windows XP, Vista and 7. Both applications include the Well Log Editor, which works natively in time and depth and provides stretch/squeeze, sonic correction, tops picking and editing tools for preparing logs for wavelet estimation. The Well Log Editor can also be used in seismic analysis.

#### **About Fugro-Jason**

Fugro-Jason is dedicated to delivering innovative products and services to help our clients identify and produce hydrocarbon deposits by integrating information from the various geoscience disciplines. Fugro-Jason applications make it possible to integrate geological, geophysical, geostatistical, petrophysical and rock physics information into a single consistent model of the earth. The application of Fugro-Jason's technology, either through use of the software or through our consultancy services, substantially improves returns on E&P investments by adding invaluable reservoir model information that reduces the risks, costs and cycle-times associated with exploration, appraisal and field development and production.



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Fugro-Jason is a unit of [Fugro NV](#). Fugro was founded in 1962, and is listed on Euronext NV, Amsterdam, the Netherlands. Fugro has more than 13,500 staff and a permanent presence in over 50 countries.

### **Contact Information**

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