



## Press Release

For immediate release: 28 April 2008

### **Ikon Science launches major expansion of the RokDoc<sup>®</sup> software**

Ikon Science, the fast growing, innovative developer of software for the oil and gas industry, has announced the release of the latest version of the groundbreaking RokDoc<sup>®</sup> software suite, RokDoc<sup>®</sup> v5.3.

Responding to client feedback, the latest version of RokDoc<sup>®</sup> the highly intuitive and popular subsurface modelling software suite has been greatly extended and enhanced making it faster and more flexible than earlier versions with some great new added capabilities.

RokDoc<sup>®</sup> 5.3 includes a new Pressure suite, interactive VSP interpretation capabilities, Electro-Magnetic modelling, improved Modelling While Picking tools, a revolutionary interactive Stochastic Inversion product and wider 3D/4D functionality; bringing new interpretation tools to the geoscience community.

Ikon's managing Director Martyn Millwood Hargrave commented:

"Our clients have told us that they need faster *and* more sophisticated workflows to evaluate new opportunities in the current energy boom. Ikon have responded quickly to this demand to create more effective and robust interpretation tools and workflows to help create more value, quicker."

RokDoc<sup>®</sup> 5.3 features the following major new areas of functionality:

The fully integrated Pressure suite within RokDoc now comprises PressureView; the popular pressure analysis package developed by GeoPressure Technology, Pressure Prediction modules (PPM) for prediction of overburden pressure, shale and normal compaction trends and a much upgraded Pore Pressure Calculator (PPC).

Updates to the 'Modelling While Picking' RokDoc Plug-in for Schlumberger Petrel Software now gives the user complete flexibility to create and update fully interactive 1D and 2D rock physics models and to use the full power of RokDoc within the Petrel environment. Users can refine the seismic interpretation and model by incorporating an understanding of the rock properties. 2D models can be saved within the Petrel environment and recalled to be updated with new information as it becomes available. Data transfer is bidirectional making the combination of Petrel and RokDoc both powerful and easy to use.

RokDoc-ChronoSeis, the 3D/4D rock physics driven reservoir characterisation module now has direct access to the RokDoc database enabling well data, cross-plot polygons and rock physics models etc. created in RokDoc to be available in ChronoSeis 3D/4D models. RokDoc-ChronoSeis also features a new fast and highly interactive Stochastic Inversion module which for the first time brings the power of this integrated technique to the desktop of the interpreter and allows them to create fast realisations of a range of reservoir lithology and fluid properties with full uncertainty analysis, and including a sophisticated post processing capability.

Electro-Magnetic modelling capabilities have been added using algorithms from PGS Multi-Transient EM. Available as a RokDoc maintenance update, common offsets, common shot gathers and real time analysis (RTA) sections can be viewed enabling users to combine seismic and EM modelling for the first time.

RokDoc-2D has been extended to include additional functionality including Coloured Inversion, Log blocking, Neural Networks, Pressure Perturbation, User Programmer, User Calculator, Stretch and Squeeze, Updated Gassmann Dry Rock Modelling. Within RokDoc-2D quantities can now be varied in and out of the screen, in addition to left and right, effectively adding a 3rd dimension to tuning wedges and layer cake conceptual models.

The new RokDoc-VSP module brings an approach combining VSP's with all well logs and seismic attributes making them accessible for the first time to non experts who can now work with VSP data in the intuitive RokDoc environment. Loading and displaying VSP data is provided as a RokDoc maintenance update, whilst extended functionality:- VSP processing, including wavefield separation, deconvolution and creation of corridor stacks is available as a new add on module. By combining the RokDoc-VSP and RokDoc-Anisotropy modules users can completed anisotropic analysis such as 3 and 4 component functions, walk-away analysis and walk-around analysis.

A full list of the new functionality in RokDoc v5.3 can be found on the Ikon Science website (<http://www.ikonscience.com/rokdoc.html>)

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## **Notes to editors**

### **Ikon Science Ltd**

Ikon Science develops software, tools and services to help oil and gas exploration professionals interpret subsurface data quantitatively, to assess exploration and production risks and opportunities. RokDoc software is in global use with over 50 Oil Companies and Service organisations and Ikon Science provides quantitative interpretation services and training to over 100 Oil Companies throughout the world.

Ikon Science, founded in 2001, employs over 70 people and has offices in London, Durham, Edinburgh, Houston, Beijing, Kuala Lumpur and Perth, Australia.