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**Ikon Science releases ground breaking real-time seismic modelling capability for Petrel®**

*RokDoc® Modelling While Picking plug-in for Petrel brings the predictive power of rock physics to the modern seismic interpretation workflow.*

Ikon Science, the fast-growing, innovative developer of software for the oil and gas industry, today announced the release of the first commercial version of its Modelling While Picking rock physics plug-in to Petrel® seismic-to-simulation software.

The plug-in has been written to take full advantage of the Ocean framework and provides seismic interpreters with a fast and easy way to develop interpretational insight by incorporating rock physics methods into the standard interpretation workflow.

Using the Modelling While Picking plug-in, interpreters can now

- easily create and check the wavelet and phase of the seismic data
- generate full stack and offset synthetics to visualise rock physics-based predictions of seismic signature and anomalies,
- correct event picking and assess prestack data, inversion and attributes.

Events can be picked in Petrel, which update the 2D RokDoc® model in real time. With the Petrel and RokDoc® models viewed side by side, the impact of modifications to one or either of the models by changing picks, pressures, anisotropy or fluids etc can be seen in real time.

Models can be saved, depth converted and used to validate interpretations as part of a full Quantitative Interpretation (QI) workflow, ensuring greater confidence in well locations for both exploration and development projects.

Martyn Millwood Hargrave, Managing Director of Ikon Science, said “The beauty of this new advance is that it provides interpreters the full power of the industry standard RokDoc® package inside the Petrel environment without the need to learn a new software package. Interpreters can model to create insights, reduce risks, check the validity of their picking decisions and decide what workflows are optimum for their play, prospect or field”.

“Based on input from several key clients, this new development adds significant value for geoscience professionals. The speed and ease with which Ikon has developed this plug-in reinforces the power of the Ocean framework and our openness strategy to accelerate the delivery of innovation to the industry,” added Justin Rounce, vice president software Schlumberger Information Solutions”.

Presentations of this groundbreaking technology have already taken place to industry acclaim at events in Jakarta, Las Vegas and London and will also take place at the upcoming Schlumberger technology open days in Bahrain and Kuwait on June 3<sup>rd</sup> and 5<sup>th</sup> respectively.

Live demonstrations of the Modelling While Picking plug-in can be seen on the Ikon Science booth (# 730) at the EAGE Annual Conference in London 11<sup>th</sup>-14<sup>th</sup> June. It will also be possible for interested parties to road test the software on real projects at the Ikon training and experience area.

To view the Ikon Science Modelling While Picking mini-video, please visit - <http://www.ikonscience.com/rokdoc-petrel.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 analyse seismic data, assess exploration and production risks and opportunities. The company's products aim to improve existing prediction, search and detection methods used in seismic data analysis. RokDoc® software is in global use with over 50 Oil Companies and Service organizations and Ikon Science provides quantitative interpretation services and training to over 100 Oil Companies throughout the world.

Ikon Science, founded in 2001, employs 60 people and has offices in London, Durham, Edinburgh, Tunis, Houston, Beijing, Kuala Lumpur and Perth, Australia. The company is privately owned and counts Tullow Oil plc and Shell Technology Ventures Ltd among its industry investors.

\*Mark of Schlumberger