

Petrophysics products

The role of petrophysicists is central to much of Senergy's service provision; geocellular models, 3D simulation models and the work of the geomechanics team all depend on them. In particular, their informed knowledge of rock properties, facies, core and log analysis reinforces geophysical interpretations and geologists' theories. Their understanding of saturations, porosity, permeability and pressure values enhance the day-to-day management of reservoirs.

We take the guesswork out of log analysis to provide accurate predictions of saturation height, porosity, permeability, rock strength and more.

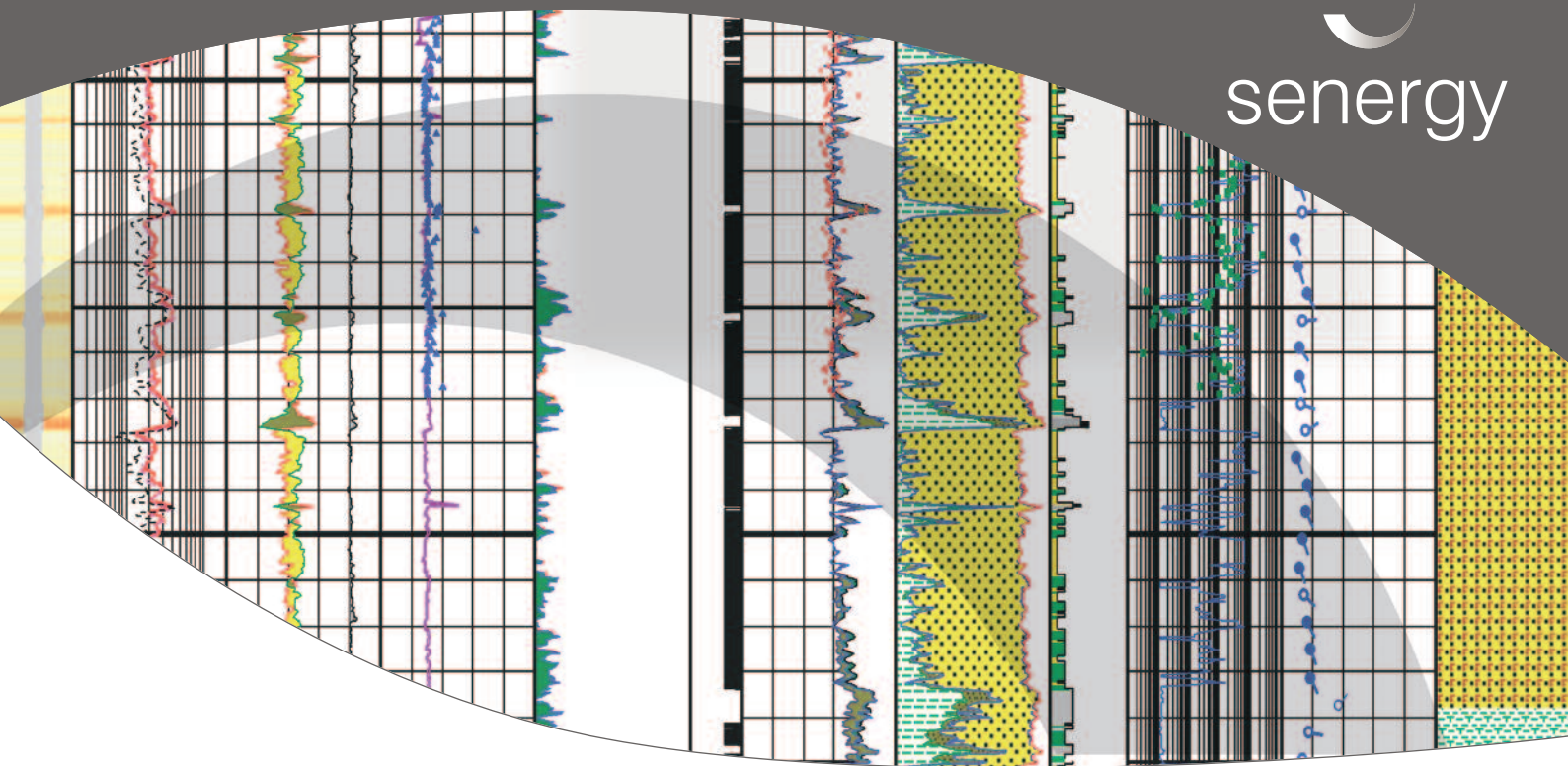
At Senergy, we offer a unified approach to petrophysics. We are capable of working and devising solutions in difficult conditions and challenging locations; we don't just analyse logs to get an answer. Integrating all pertinent information including fluid and rock types and their properties, discovered in core and cuttings analysis, are the key to improving confidence in any petrophysical interpretation. For us, core analysis and log analysis go together as a package.

Senergy's petrophysicists are highly experienced over a wide range of geological environments and geographical locations, and have practical operational experience to augment the more theoretical side of the science. We go a step further, with our industry experts in Interactive Petrophysics™, in addition to core analysis and SCAL management, regularly teaching courses on these subjects around the globe.

In addition, our petrophysicists work closely with our other teams, such as geomechanics or wellbore performance, viewing first-hand the implications of the results.

Most importantly, our petrophysicists are able to turn around good quality work, explaining the issues in the well, while providing a pragmatic, detailed solution.

Senergy can provide an overall strategy for logging and core collection. We can assist clients in accurately collecting the data needed to carry out advanced petrophysics analyses, providing the most complete answer for their wells.



Specific Skills

- core analysis
- wireline, MWD / LWD
- well planning and execution
- operational petrophysics
- geosteering
- SCAL
- open-hole log interpretation
- shaley sand interpretation
- complex mineralogy
- NMR
- uncertainty analysis
- permeability prediction
- cased hole interpretation
- well log repair
- environmental corrections
- formation damage analysis
- pressure test analysis
- training and mentoring

Our Petrophysics team is the catalyst to the development of Senergy's world leading software Interactive Petrophysics™.

Interactive Petrophysics™ is developed by Senergy and exclusively sold and marketed by Schlumberger.

It is portable, quick, versatile and easy-to-use log analysis software ideal for both geologists wanting to do a quality check of their log data and experienced Petrophysicists carrying out multi-zone, multi-well petrophysical field analyses. This product is truly unique in its approach to petrophysics.

