Geological Interpretation in IP

Extract additional insights by incorporating detailled image analysis

Interactive Petrophysics (IP), our market leading subsurface data interpretation package, can be utilized by E&P operators and service companies alike throughout any basin thanks to its selection of geological tools.

As the Energy industry evolves, having the ability to generate your geological interpretation with a range of data from the micro-scale to the seismic scale is key to identifying and understanding the impact the geological zones have on subsurface resources.

Having one software package which handles all data types and allows geoscientists to engage with specialist workflows allow them to work faster and more efficiently and also reduces costs.

Being able to extract additional insights when working together which may have otherwise been missed when working in data silos is key to any geological interpretation.

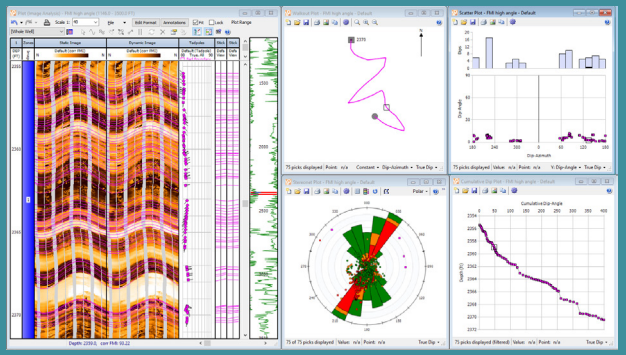
IP's geology suite of tools includes Image Analysis, Cluster Analysis, SOM and more...

"With the power of these Image Analysis and rock typing toolkits, there is no need to seek external expert services automatically for your project. The easy to use workflows allow both geologists and petrophysicists to feel in control of their data from collection, through QC to interpretation. Leading to efficient discovery of more insights into the subsurface."

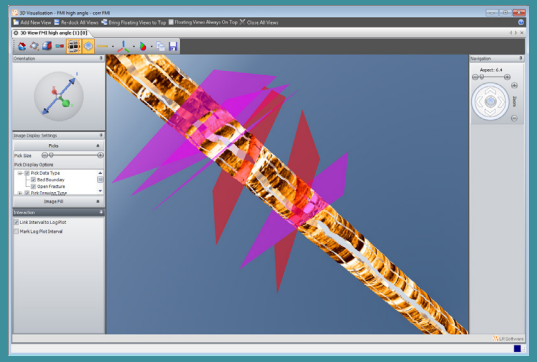
Tegwyn Perkins
Geoengineering Product Champion

Geoactive

Image Analysis
Visualise, correct and enhance raw images using a step by step workflow to control your interpretation. The resulting image created from the data is used to identify bed boundaries, lithological features and fractures. Plot and identify trends and paleocurrent or stress directions along the borehole to further the interpretation.



Use the 3D wellbore viewer to gain a better understanding of bed relationships.

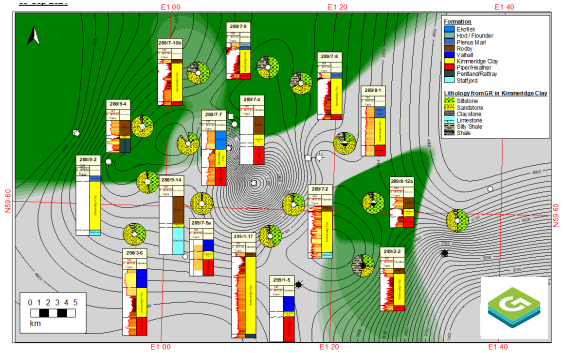


The module is designed to allow the user to step through the complete image analysis workflow giving full control over the whole interpretation. Reduce your reliance on external service companies and cut costs by independently verifying your own data.

Interactive Petrophysics

Gridding in IC
After the log analysis and image log interpretations has been completed, you can transfer these data to Interactive Correlations (IC) to build inter-well grids across your area of interest using the borehole data as control points. Inferring the distribution from well to well within each zone as required.

Geologists and Petrophysicists alike will feel at home making complex interpretations of the wellbore and regional geology.

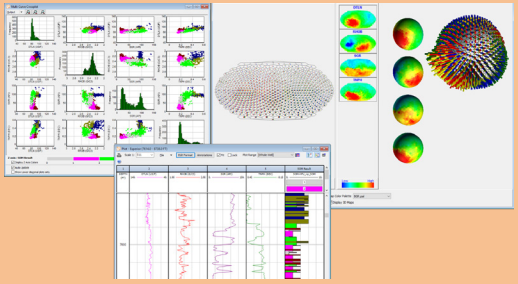


Analyse core or raw log data to cluster, zone and focus on the best approach to lithology, porosity and saturation using these Rock Typing Module toolkits:

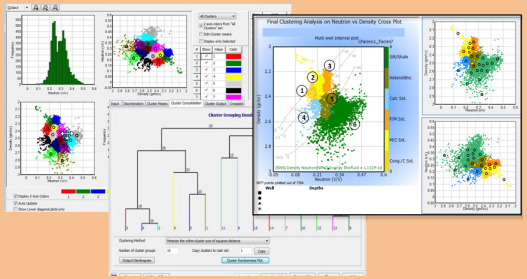
Rapid and easy to learn, Rock Typing employs powerful algorithms to deliver repeatable and accurate facies classifications.

With both Self-Organising Map and Cluster Analysis capabilities, you can analyse core or raw log data to cluster, zone and focus on the best approach to lithology, porosity and saturation.

Build and apply a facies model to any number of wells and use cross-plots and starplots to graphically show how key input parameters affect facies selection.
Compare any Rock Typing models in Contingency Table, including core data and manual picks



Self Organising Maps



Cluster Analysis

Get in touch

Geoactive

Please visit www.geoactive.com
for more information
Email IPsupport@geoactive.com
Or call
USA: +1 713 489 3995
UK: +44 203 608 8024

Geoactive Limited.
Aberdeenshire
United Kingdom

IP_Flyer_Geology_V1.1.pdf

Updated: 8.October.2022

Interactive Petrophysics