

# CoreHD® Plus Suite

**OBTAIN AN ENHANCED GEOLOGICAL UNDERSTANDING, A DIGITAL RECORD AND A HIGH-RESOLUTION PETROPHYSICAL INTERPRETATION WITHIN DAYS**

## HIGH-RESOLUTION PETROPHYSICAL INTERPRETATION

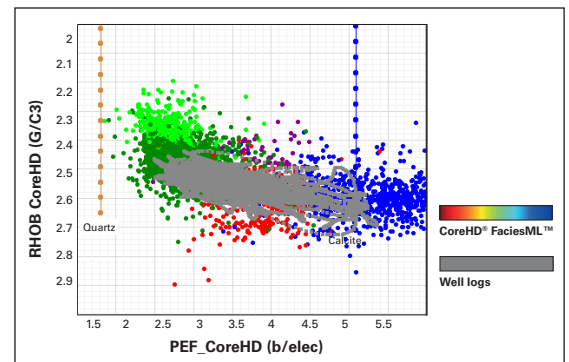
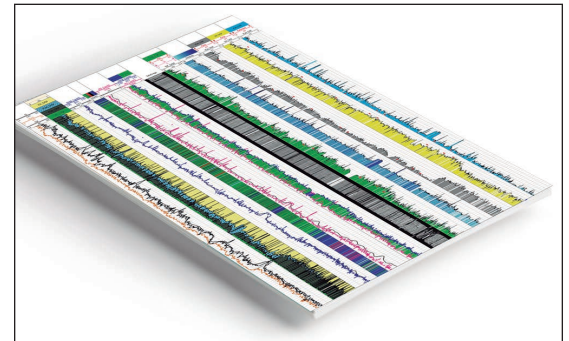
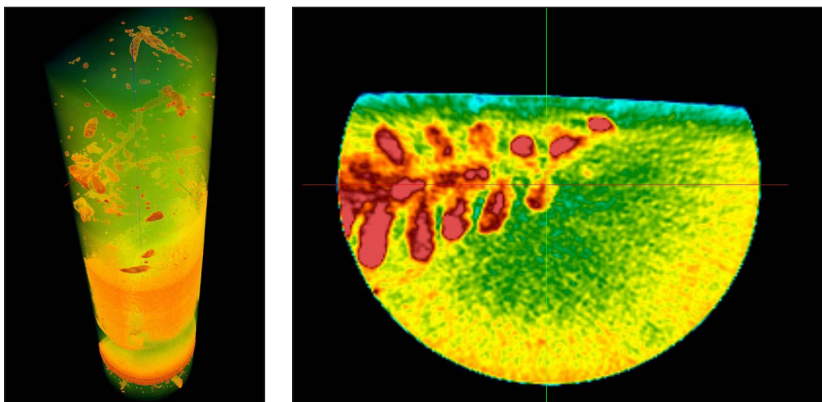
Quantify your heterogeneous and thinly bedded formations with our Ingrain high-resolution petrophysical interpretation. Our proprietary methodology extracts the effects of chemical composition and density through Dual Energy Computed Tomography (DE CT). CT bulk density and PE are combined with spectral gamma ray logs to rapidly deliver a detailed analysis of lithology, porosity, rock facies and depositional sequences.

## IMPROVE YOUR FACIES CLASSIFICATION WITH FACIESML™ SERVICE

Our latest facies classification automatically identifies rock classes from DE CT data, based on simultaneous multidimensional cluster analysis and proprietary multilayer machine-learning algorithm. This technique can be combined with wireline log data to build a more robust petrophysical classification scheme and optimally recommend samples that statistically represent the facies classification.

## ENHANCED GEOLOGICAL UNDERSTANDING

The acquisition of high-resolution continuous images along the core length is recommended best practice in the characterization of complex reservoirs and sample selection optimization. Our Lithovision™ DE CT imaging and interactive visualization software is a powerful nondestructive technique used to evaluate the internal structures of cores and plugs in relation to their petrophysical properties.



## BENEFITS

- » Predict mineralogy, TOC and brittleness index along the core in a matter of days
- » Build a multidimensional high-resolution facies classification
- » Obtain more representative sampling for additional analysis
- » Improve upscaling of physical and digital rock property analysis
- » Unravel stacked thin-bedded frac barriers not resolved in log data

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com/Ingrain](http://www.halliburton.com/Ingrain)

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