ZonelD® and PoreHD® Service

RESERVOIR ROCK PROPERTIES FROM SEM AND FIB-SEM IMAGING

Understand the pore system and quantify the relative producibility of different rock textures with Ingrain’s state-of-the-art imaging in 2D and 3D. Our proprietary offering provides unmatched image quality in conjunction with a quantitative understanding of representative volume fractions and pore morphology, providing key insight of storage potential and assessing the flow of hydrocarbons in your reservoir.

OBTAIN VOLUME FRACTIONS WHILE MAINTAINING SPATIAL DISTRIBUTION

Unravel the quantification of all represented pore types at various scales to help understand the effective contributing storage and flow properties of the reservoir. In unconventional shale reservoirs, quickly quantify porosity associated with organic matter (PAOM) as well as the fraction of original solid organic matter that has been preserved and converted to porosity, abbreviated “Apparent Transformation Ratio” (ATR).

QUICKLY RELATE PORE MORPHOLOGY PROPERTIES

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com/Ingrain

BENEFITS

» Cost-effectively predict fluid flow transport properties with quantitative information about pore type, size and shape
» Visually understand the pore structures of rocks in relation to the volume fractions that are a key indication of hydrocarbon storage
» Directly compute effective porosity, as well as the different pore types present in your rock (PAOM, inter and intragranular)
» Obtain insights about thermal maturity and the ability of the rock matrix to preserve organic porosity
» Predict PAOM in offset wells where only TOC is available, using statistical analysis and empirical trends

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

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