



FESAus May 2021 Talk

Electrical Property Measurements and their Advances – R. Ray Hanna

The insitu valuation of hydrocarbon volume requires a new laboratory technique for measuring the Formation Factor (FF) and Resistivity Index (RI) on “as-received” core samples. Unlike conventional practices that require lengthy core cleaning and wettability restoration, the new workflow begins by measuring petrophysical properties of the cores in an “as-received” condition, then proceeds in a series of steps that neither alter the wettability nor destroy the clay structure.

This method provides an accurate and relatively fast measurement of FF and RI on “as-received” samples, resulting in the determination of the Archie parameters ‘m’ and ‘n’. These parameters play an essential role in estimating hydrocarbon in place using Archie’s equation and provide insight into partial oil-wetting conditions. Cleaning, drying, and re-saturating the sample is not required, minimizing the risk of altering the initial wetting state of the sample

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DATE: Tuesday May 11, 2021 - 12:30 – 1:30 PM (WAST, GMT+8)
VENUE: Online Webinar Presentation from Houston USA. Ibis hotel (Perth), on the web (rest of the world)
COST: Members \$30.00; Non Members \$40.00; Students/Retirees \$10.00; Remote access also available
Online registration at www.fesaus.org by Friday 7th May at 11.00 am