

## **Thermal Maturity Effect on Rock Properties and Their Fluids in the Vaca Muerta Formation**

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### **ABSTRACT**

Triple combo and NMR data from well logs show trends associated with thermal maturity when observed at regional scale from shale oil to shale gas. The effect can be used to invert the data to obtain key properties of kerogen and fluid. We will present the results of the inversion.

Other data such as resistivity, dielectric, and core also show changes associated with thermal maturity. However, the origin of these trends is still unclear.

A deep understanding of thermal maturity on the rock properties and their fluids could be critical for the definition of the sweet spot.