

Reservoir Data Logs (RDL) @model

Mathematical model for [Reservoir Data Logs](#) in terms of:

Logging category
Petrotypes / Lithofacies
Mineral composition
Effective porosity
Absolute permeability
Fluid Saturation
Geomechanical rock properties
Thermal rock properties

All log models have a form of:

(1) $\text{OutputLog}(l) = \text{Model}_{[\alpha_1, \dots, \alpha_M]}(\text{InputLog}_1(l), \text{InputLog}_2(l), \dots, \text{InputLog}_N(l))$

where $l(x, y, z)$ is the [along-hole depth](#) and (x, y, z) – 3D spatial coordinates along [well trajectory](#).

See Also

[Petroleum Industry / Upstream / Subsurface E&P Disciplines / Petrophysics](#)

[Well & Reservoir Surveillance / Well logging / Reservoir Data Logs \(RDL\)](#)

References
