

Fluid Capacitance Log = FCAP

@wikipedia

Fluid Capacitance record along the borehole normalized by Fluid Capacitance of distilled water at the same temperature along the borehole $T(l)$.

(1)
$$Y_f(l) = \frac{\epsilon_f(l)}{\epsilon_w^*(T(l))}$$

where ϵ_w^* is Fluid Capacitance for distilled water at temperature $T(l)$.

Log Name	FCAP		
Math Symbol	Y_f		
Logging Tool	Fluid Capacitance Logging Tool		
Model	Fluid Capacitance @model		
Units	SI	Oil Metric	Oil Field
	%	%	%

Typical values of FCAP for petroleum fluids at SPE STP are:

Water	Oil	Gas
100%	25%	7%

See Also

Petroleum Industry / Upstream / Data Acquisition / Well & Reservoir Surveillance / Well logging / Cased-Hole Logging / Production Logging (PLT) / Borehole Flow Profile (BFP)

Subsurface E&P Disciplines / Fluid Analysis / Fluid Capacitance