

Table S3: Compilation showing porosity, density, intrinsic formation factor, the interface conductivity and iso-electrical point for the seven core samples.

Sample no	Estimated in-situ fluid conductivity at 25°C ($\mu\text{S}/\text{cm}$)	Porosity (%)	Density (g/cm^3)	Formation factor	Interface conduction ($\mu\text{S}/\text{cm}$)	Iso-electrical point	Source
3a	808.0	20.3	2.46	39.7	30	993	[1]
4	751.0	8.06	2.80	552	8	4416	[1]
9	909.0	9.7	2.71	227	30	7945	[1]
47	not saturated	8.33	2.89	100	5	0	[1]
58	780.0	10.5	2.70	450	20	9000	[1]
61	780.0	19.2	2.29	85	300	25550	[1]
71	not saturated	11.7	2.82	72.6	5	0	[1]

References

1. Flóvenz, Ó.G.; Spangenberg, E.; Kulenkampff, J.; Árnason, K.; Karlsdóttir, R.; Huenges, E. The role of electrical interface conduction in geothermal exploration. Proceedings World Geothermal Congress, Antalya, Turkey, 24-29 April 2005.