GeoKey® OPEN HOLE LOGGING SYSTEM **COMPENSATED NEUTRON (GCN)**

Module





The Compensated Neutron module provides an environmentally compensated porosity

An alternative epithermal detector configuration is available for air/gas filled holes. The tool design has been optimised to provide good performance at acceptable logging speeds while still using a relatively small 92GBq 241Am-Be source.

neutrons emitted by the source are scattered and slowed down by light elements (principally hydrogen) in the formation. The ratio

Neutron porosity measurements are affected by the borehole environment. These effects are compensated in software by algorithms calculated by Monte Carlo modelling and benchmarked to standards at the Callisto facility in Leicestershire, UK.



Example of logging data

