

Cased hole

TzSP-2INNK-43 Digital dual pulsed neutron-neutron logging tool



is designed for rock neutron parameters detection, oil/gas saturation estimation after some neutron lifetime (effective capture cross section Σ_a) and water-saturated porosity coefficient determination (water content).

APPLICATION

Unlike the pulsed neutron gamma-ray logging tool apparatus is effective in high natural radioactivity rock and borehole radioactive salts.

SPECIFICATION

Thermal neutron lifetime measurement range τ , microsec	50 ÷ 100
Thermal neutron lifetime measurement relative error τ , %	± 2
Water-saturated porosity range, %	1 ÷ 4
Neutron generator type	ING-10-20-120; ING-10-20-150
Quantity/Time channel width, microsec	2x64 / 40
Downhole tool supply voltage, V	150
Power consumption, W	300, 600
Maximal operating temperature, °C	120/150
Maximal operating pressure, MPa	120
Downhole tool dimensions, mm	
- diametr	43
- length	3100
Weight, kg	up to 25

TzSP-2INNK-43 logging tool is to be run with GECTOR, VULCAN V3 and KEDR log recorder with one-core of three-core cable.