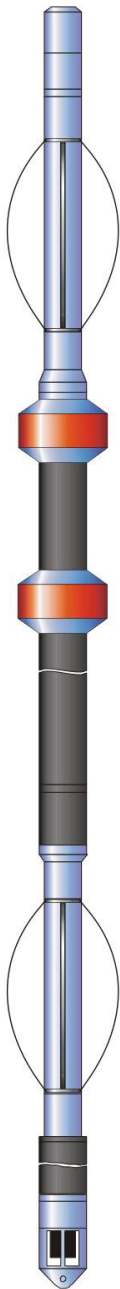


Cased hole

ZAS-03-140 Cement-bond sonic logging tool



is designed for hole director cementing quality control and investigation of sections in large-size open holes by kinematic and dynamic parameters of elastic waves.

PROBLEMS TO BE SOLVED

- weak cement interval determination and cement matrix bulk-contact defects definition;
- lithologic layering and reservoir identification and porosity estimation.

FEATURES AND ADVANTAGES

- large-size hole investigation;
- the tool is operated through a triple-core cable of up to 6000 m in length, with the computerized logging stations equipped with fast-acting analog-digital converters which allow to record the full wave picture (of GEKTOR type)*.

SPECIFICATIONS

Sonde formula	T ₂ 0,5T ₁ 1,5R
Max. operating temperature, °C	120
Max. hydrostatic pressure, MPa	80
Diameter of investigated boreholes, mm	170-400
Downhole tool dimensions, mm:	
- diameter (without centralizers)	73
- transmitter diameter	140
- length	up to 3600
Weight, kg	70

*tailor-made one-core cable tool is available