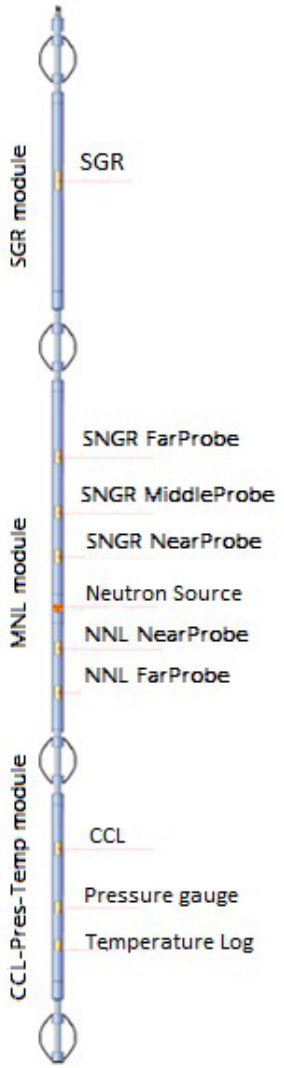
Cased hole

Complex evaluation of near wellbore medium with KSPRK-Sh-50-T Combinable Logging Tool



SCOPE OF APPLICATION

- Oil and gas wells, with/without tubing
- Operating or killed wells
- Any lithology
- Heavy or light cement
- Well filling - gas/water/oil

FEATURES

Multiparametric studies realized in one trip:

- Compensated Neutron Log to determine water saturated porosity, neutron parameters of the environment
- Three-probe spectral neutron gamma-ray logging for radial (3 logging depths) determination of elemental composition, nuclear parameters of the medium
- Spectral gamma-ray logging to determine K, U, Th concentrations

ADVANTAGES

- Express quality evaluation of cement filling behind two pipes (including accumulation of gas, water)
- Formation evaluation: saturation, porosity; by indirect parameters: density, permeability;
- Evaluation of formation lithology

VNIIGIS®

Research and production enterprise that creates special and unique methods and technologies for geophysical research of oil and gas, ore and coal wells

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SPECIFICATIONS

Number of Probes: NNKt SNGK-Sh SGK	 2 3 (2 spectrums of 256 channels each) 1 (256 channels)
Energy range of gamma-quantum recording of SGR channel, MeV	0,1–3,5
Energy range of SNGK channel gamma ray recording of ShortP, MiddleP, LongP full spectrum, MeV	0,1–8,0
Energy range of SNGK-Sh low-energy spectrum recording of ShortP, MiddleP, LongP, MeV	0,1–0,8
Energy resolution of the 137Cs peak spectra, %	Max. 15
Maximum operating pressure, MPa	100
Maximum operating temperature, °C	150
Tool diameter, mm	50
SGR unit length with top centralizer, mm	2000
MNK unit length (without centralizers), mm	Max. 2500
LM-M-T unit length (with centralizers), mm	Max. 3100
SGR unit weight with centralizers, kg	Max. 15
MNK unit weight with centralizers, kg	Max. 30
LM-M-T unit weight with centralizers, kg	Max. 20

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