



**Immediate
Real-time
On-site Answers**

 Real-time answers
on location.

Stationary Noise Tool

About This Service

The WOS Stationary Noise Tool (SNT) is a wireline logging tool focusing on real-time Surface Read Out (SRO) applications that require sensitive stationary measurements with immediate real-time on-site answers. Our unique real-time software automatically stitches multiple station measurements together to generate a real-time depth-based answer product. The on-site operator can quickly identify intervals of interest and, if required, can easily acquire in-fill stations with closer spacing without any delay or extra data manipulation. This hybrid logging mode is capable of stitching together data from multiple SNT tools in the tool string to further optimize acquisition.

Benefits

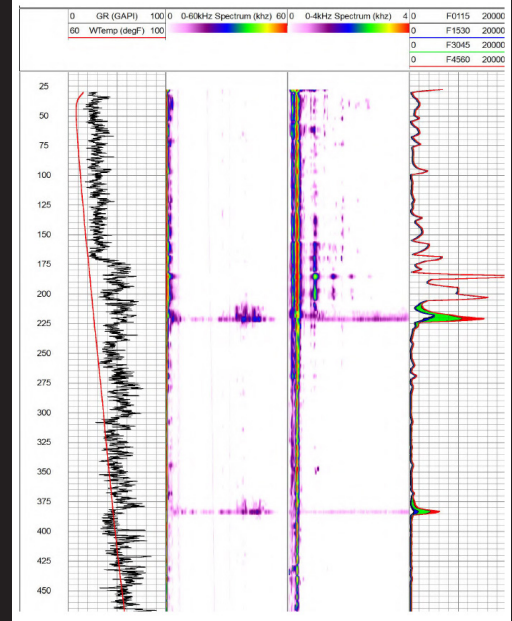
- Real-time data cuts down on time for data interpretation.
- Fully combinable with our full range of logging tools allows for one-pass results.
- Leak Detection pinpoints areas of interest.
- Crossflow and flow behind pipe evaluation eliminate guessing migration points.
- Incorporates a high-resolution temperature sensor which is a valuable complement to the spectral noise measurements.
- Locate source of sustained casing pressure.

 Real-time software automatically stitches multiple station measurements.

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Max OD	1-11/16"
Length	6'
Temperature Rating	350F
Pressure Rating	20,000 PSI
Total Sensor Elements	6
Signal Dynamic Range	190dB
Logging Speed	Stationary
Working frequency	40Hz - 60Hz
Temp Resolution	Less than $\pm 1^{\circ}\text{C}$
Logging Mode	SRO Hybrid, Time, Depth



SNT Real-Time Warrior Log comprising multiple stations

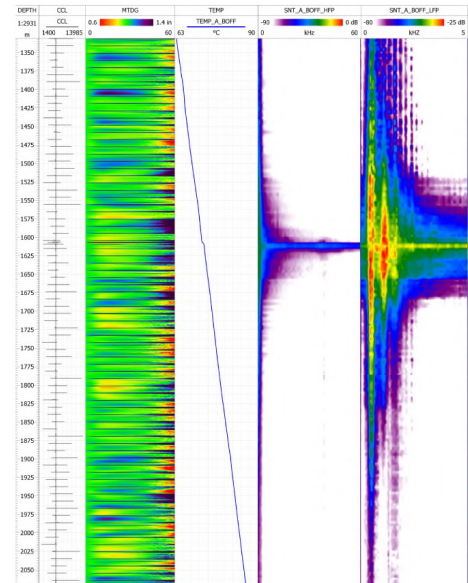
Fully combinable with our full range of logging tools allows for one-pass results.

Features

- Surface ReadOut (SRO) stationary noise log.
- Real-time depth log from stations.
- Carefully designed set of sensor elements sensitive from 40Hz and 60kHz.
- Answer product in the field direct from Warrior.
- Sensors are sampled with two schemes to obtain optimal resolution.
- Multiple SNT stackable to accelerate acquisition.

Complementary Pipe Recovery Tools

- Gamma Ray
- Magnetic Collar Locator
- External probe temperature measurement
- Weight bars as needed
- Roller and bow-spring style centralizers



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