



DUAL-SPACED SPECTRUM NOISE TOOL

[DSNST-Temp-GR-CCL]

www.Downtons.com

Description

The Downton's Energy Services unique 43mm Dual Spaced Digital Spectrum Noise logging tool (DS-NST) can be run in a stand alone configuration or in combination with a full suite of Production Logging tools (PLT).

The dual piezoelectric ceramic crystal noise sondes provides the ability to identify gas & fluid flow into well annulus and behind casing strings using high fidelity wide frequency spectrum acoustic energy measurements. Due to the dual sensor configuration, we are able to reduce our logging times by upwards of 3x faster compared to conventional analog noise tools.

This tool provides customizable Band Filter passes combined with full frequency spectrum and acoustic energy amplitude mapping. The lower sonde captures real-time MP3 format sound files which allow for full in-depth acoustic analysis providing full noise interpretations.

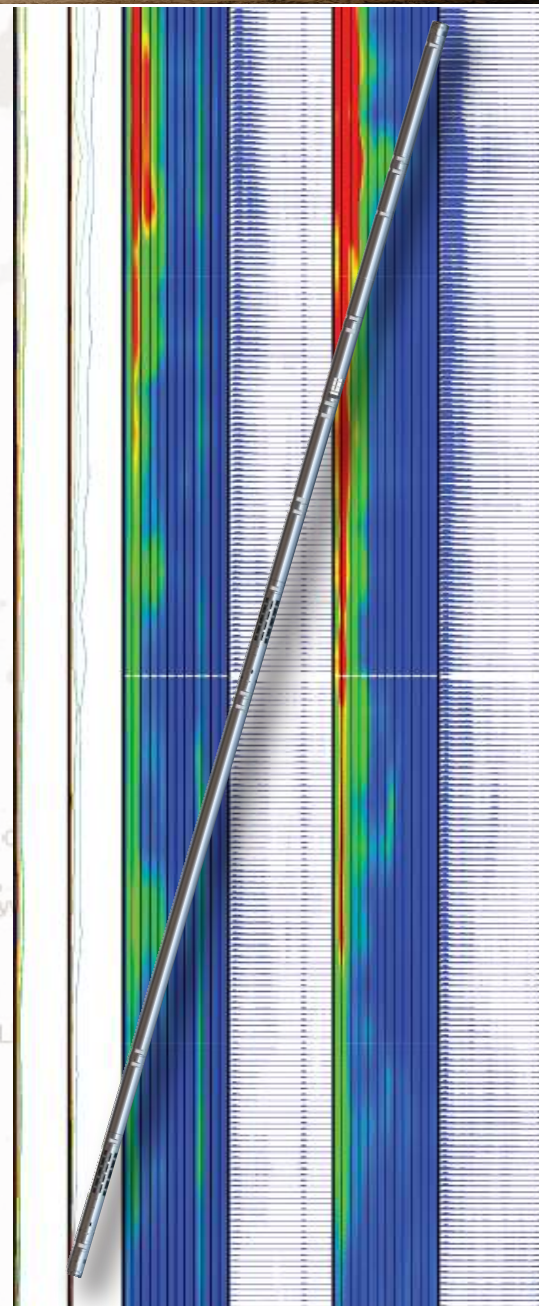
Applications

- Surface Casing Vent Flow detection
- Gas Migration detection
- Injection/production profiling
- Leak detection

Features

- Dual noise sonde for fast logging times
- Full digital compatibility with PLT
- Real time MP3 noise file recording
- Customizable noise sampling time
- Adjustable Filter Band curve gates

Average Logging Speed	400m/hr (1300 ft/hr)
Maximum Temperature	175°C (345°F)
Maximum Pressure	140 MPa (20,300 PSI)
Measurements	Gamma Ray - Casing Collar Locator Temperature - Dual Spectrum Noise
Tool Diameter	43mm (1-11/16 in)
Tool Length	6.41m (21 ft)
Tool Weight	55.3 kg (122 lbs.)
Working Frequency	100 Hz - 12.7kHz



Downton's
ENERGY SERVICES

A BUSINESS UNIT OF *Downton's* TRANSPORT LTD.

AB Dispatch: 403.885.4560

BC Dispatch: 778.256.4506

Lacombe - Blackfalds - Fort St. John
Grande Prairie - Saskatoon - Calgary