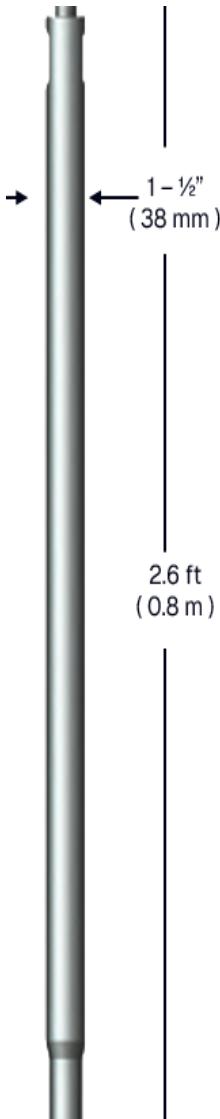




SAND DETECTION TOOL (SDT)

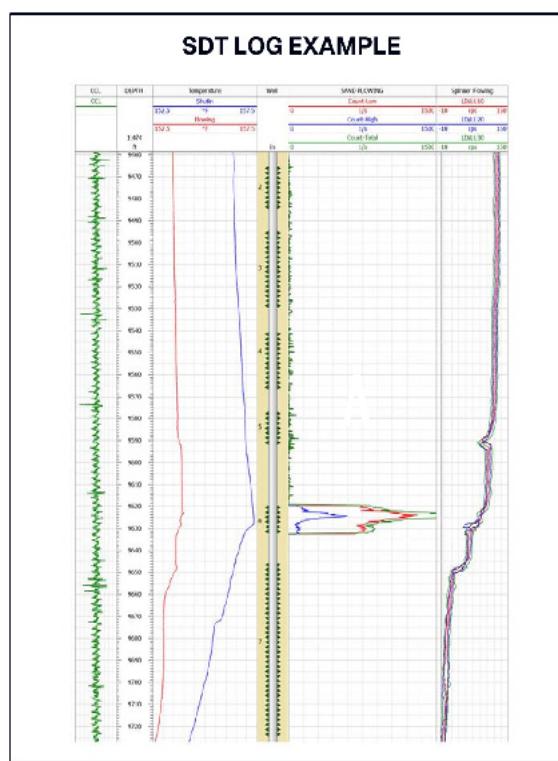
Downhole tool SDT is designed for diagnostic studies of wells. Autonomous memory instrument is equipped with a highly sensitive ultra sound sensor. The sand coming out of the formation generates noise at ultrasonic frequencies. The device counts the number of sand particles.

The device counts the number of sand particles by calculating the frequency and amplitude response of the ultrasound signal. It ignores the noise of leakage of liquid and gas. Ignore all sounds caused by mechanical shocks. The tool for the qualitative analysis of the sand. The tool can ignore noise caused by liquid or gas leaks and mechanical shock of the moving tool.



FEATURES & APPLICATIONS

- Record the value of the sensor in the device memory
- Stop recording at the specified time
- Start recording after the specified time
- Downloading data from the tool.
- Identify the true sources of sand production
- Understand sand production dynamics
- Better reservoir management decisions by eliminating sand production issues.
- Improve well performance and extend productive life.





SAND DETECTION TOOL (SDT)

SPECIFICATIONS

	SDT	STANDARD TOOL
GENERAL SPECS		
Maximum Pressure	15,000 PSI (103 Mpa)	
Maximum Temperature	302°F (150°C)	
Diameter	1-1/2" (38 mm)	
Length	2.6 ft. (0.8 m)	
Weight	8.8 lbs (4.0 kg)	
Housing	Material Titanium	
ACOUSTIC SENSOR		
Dynamic Range	90 dB	
Operating Freq Range	<300 kHz	
Operation Mode	Stationary / Continuous	
Nb Spectral Channels	1024 (512 + 512)	
MEMORY		
Capacity	2 GB	
Sampling	0.5 to 255 sec	