

ANTECH'S NEW DOWNHOLE MEMORY SENSORS OFFER IMPROVED RELIABILITY

**Award-winning COLT to Debut April 8-9th at SPE/ICoTA
Coiled Tubing Conference and Exhibition at Stand No. 314 in Houston**

EXETER, England – 26 March 2003 -- AnTech Ltd, a specialist engineering design and manufacturing company serving the international upstream oil and gas industries, today announced the latest additions to its range of downhole memory sensors with the launch of two new products: the Memory Pressure/Temperature Sensor and the Memory Load/Torque Sensor.

New Tools Offer Improved Reliability with Shock-Resistant Electronics

Although each tool plays a distinctly different role in gathering downhole data for a wide range of pumping operations, including those involving coiled tubing runs, the tools share a number of common features that offer users distinct benefits. In order to improve reliability, AnTech's memory tools were developed with several innovative features. Following tests in the field and on a special table designed to test the effects of increasing levels of vibration, AnTech devised a way to eliminate resonance on the electronics board by mounting it on the tool in a more secure fashion. This means that each memory tool's electronics are completely protected against shock, dramatically improving their reliability in the rigorous downhole environment.

Secondly, the tools were designed with a straight flow path through the centre of the tool, which further reduces pressure losses and vibration. Because the tools are very short, making up coiled tubing is much faster and easier.

Downhole readings are recorded into the tool's memory, and easily downloaded to a PC for careful analysis. The new tools feature AnTech's easy-to-use software, which reduces the time required to train engineers and to set up the operation. The standard ratings of AnTech's memory tools are 10,000psi and 150°C. The diameter of the tools ranges from 1-11/16" to 4-3/4".

Each sensor is field-proven in highly disparate environments, having been successfully used by operators in Alaska, Canada, the Middle East, Denmark and the North Sea.

Memory Pressure/Temperature Sensor Takes Critical Downhole Readings

The AnTech Memory Pressure/Temperature Sensor uses strain gauge pressure transducers that make it possible to take both pressure and temperature readings simultaneously. The straight through-flow path is particularly useful for running the tool when a ball must be dropped.

Because its electronics are completely protected against shock, the Memory Pressure/Temperature Sensor can be run easily with drilling tools, and for similar high shock operations, such as jarring. Further, it is available equipped with either one or two sensors, depending on operator requirements.

Memory Load/Torque Sensor Measures Impact of Load on CT String Downhole

It's well-known throughout the drilling industry that data on how a coiled tubing string is affected by a downhole load is highly indicative of what is taking place downhole. This is particularly important when the string is operating in a highly deviated or horizontal well. Unfortunately, indications of movement experienced by the string taken at surface do not accurately reflect activity downhole.

The Memory Load/Torque Sensor was designed to provide a solution to the problem of gathering accurate data on how the string is behaving in response to the load and other forces, including tension, compression and torque. Armed with this downhole data, the engineer can then compare it with surface measurements and operating procedures. In this way, he will have

a clearer, more accurate picture of how well the operation is proceeding, and whether critical adjustments should be made.

The highly versatile Memory Load/Torque Sensor is a 0.7" bore-through tool that provides variable sampling rates to meet specific customer requirements. As the system is insensitive to bends in the well, the data collected is not affected, ensuring that all measurements are accurate. It is available in several configurations: a) with both types of sensors, or b) with a torque or load sensor, which compensates for pressure effects.

Sensors Using Wireline Telemetry for Surface Readouts Available

In the event that a surface readout is required, AnTech can provide the Memory Pressure/Temperature Sensor and the Memory Load/Torque Sensor with a wireline telemetry system, in place of the downhole memory.

COLT Debuts at SPE/ICoTA Tradeshow in Houston – Stand 314

In addition to its selection of innovative coiled tubing tools, visitors to the forthcoming SPE/IcoTA Coiled Tubing Conference and Exhibition on April 8-9th in Houston will have the opportunity to view the *first public demonstration of the COLT*. The COLT is AnTech's electrically controlled coiled tubing drilling bottom hole assembly that offers significant benefits to drilling contractors seeking to access natural gas reservoirs. AnTech won a Special Meritorious Award for Engineering Innovation last year from **Hart's E & P** magazine in the Drilling – Downhole Category in recognition of the new gas well drilling system. AnTech will be exhibiting at Stand No. 314 throughout the conference.

About Antech Ltd

AnTech Ltd specialises in the design and manufacture of innovative products for the international upstream oil and gas industries. Founded in 1992 in Exeter, England, AnTech Ltd is known throughout the world for its range of award-winning coiled tubing tools, and related permanent completion products. AnTech Ltd managing director and founder Toni Miszewski holds 12 patents for related oil tools and technologies he developed over the years.

In addition to its pioneering work within the design and manufacture of completion products, AnTech Oilfield Software offers StringView®, the cutting-edge well visualisation software package. This highly regarded software program integrates legacy data systems, making it possible to maintain consistent, professionally presented well diagrams. Recently, AnTech received a Special Meritorious Award for Engineering Innovation 2002 from **Hart's E & P** magazine. AnTech won the award in the Drilling – Downhole Category in recognition of the COLT, its new gas well drilling system.

As one of the leading design engineering companies in the UK, most major oil services companies have retained AnTech Ltd to develop coiled tubing, downhole and completion tools on their behalf. As a result, operators and service companies actively use AnTech's pioneering products and technology to maximise oil production performance in a safe, and cost-effective manner.

Note to editors: A graphic illustration of the new Memory Pressure/Temperature Sensor and Memory Load/Torque Sensor may be obtained by contacting Sharon Roe below. Should you require this visual between March 31-April 17th, please contact David James of AnTech at davidj@antech.co.uk at Tel: +44 (0)1392 440 300.

Contact: Toni Miszewski, Managing Director, or David James, AnTech Ltd, Exeter, England, United Kingdom
Tel: +44 (0)1392 440 300, Email: tonim@antech.co.uk, Website: www.antech.co.uk

Sharon Roe, Spinnaker Communications, St Andrews, Scotland, Tel: +44 1334 473 754, Email: sharon.roe@tesco.net