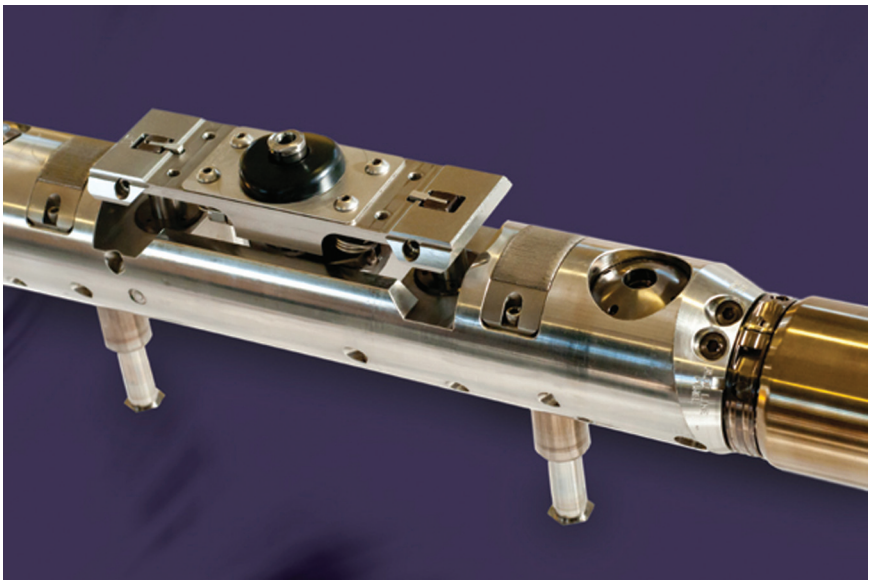
IPTC: New Technologies Unveiled

8 February 2012—Two new technologies designed to improve performance in high-pressure/high-temperature environments were unveiled Tuesday, on the first day of the fifth annual International Petroleum Technology Conference (IPTC), in Bangkok, Thailand.

Schlumberger's MDT Forte qualified rugged system and the MDT Forte-HT high-temperature version promise to deliver robust downhole-fluid analysis, fluid sampling, and transient testing to meet the challenges of oilfield operations. The two new platforms have been redesigned and re-engineered to tolerate excessive vibration from low-frequency shaking during transit to high-impact shock and vibration downhole at extreme temperatures. The redesigned electronics system incorporates surface-mounted components on a chassis that over comes conventional fragility of electronics when operating in tough logging conditions, the company said.

Qualified for 100 operating hours at temperatures up to 400°F, the system is suited for operations in deep water, drillpipe conveyance, high-pressure/high-temperature wells, and remote operations.



The Schlumberger PressureXpress tool, unveiled this week at the fifth annual International Petroleum Technology Conference, in Bangkok, Thailand.

The PressureXpress-HT service provides accurate formation-pressure measurements under extreme conditions, the company said. Rated at 450°F and 20,000 psi for at least 14 hours, the service acquires pressure and fluid-mobility measurements in a fraction of the time required by multifunction formation-tester tools. Fully combinable with the company's other logging tools, this tool eliminates a separate wireline run to obtain critical pressure data. Equipped with a flasked high-resolution Quartzdyne gauge, backed up by a Sapphire gauge, the tool does not require thermal stabilization. Coupled with set and retract times as low as 15 seconds, the tool maximizes measurement efficiency while minimizing the possibility of sticking.