

HALLIBURTON

Halliburton Performs World's First Downhole Well Testing Wireless Data Acquisition Project

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DALLAS, Mar 4, 2002 (BUSINESS WIRE) -- Halliburton Energy Services, a business unit of Halliburton (NYSE:HAL), reinforced its commitment to providing the industry with high-quality acoustic reservoir data retrieval services by performing the first data acquisition project using the Acoustic Telemetry System (ATS(TM)) for Gaz de France, off the coast of the Netherlands. Acoustic signals were transmitted through production tubing, allowing bottomhole reservoir data to be monitored at surface without the use of electrical cables, reducing the dependency on wireline operations. Using this advanced technology resulted in enhanced control over the well clean up and well testing operations while lowering the cost and improving the quality of the reservoir data.

"This technological achievement opens new opportunities for providing oil and gas reservoir solutions using a method which enhances safety, reduces rig time, and provides more efficient operations," said Jody Powers, president, Halliburton Energy Services. "The success of this job shows that dedicated and focused research and development efforts can pay off and produce dramatic results."

This world-first was achieved offshore in well K12-16 in block K in the Netherlands for Gaz de France. Bi-directional acoustic signal transfer was achieved both when the well was in static (shut-in) mode and while producing for extended periods. The ATS Transmitter was positioned at 3673 meters (12,050 feet) measured depth in the well and sent pressure and temperature data to surface, and received surface command signals at bottom with only one ATS signal repeater positioned at 1935 meters (6348 feet) measured depth in the well. The reservoir temperature was 125 degrees C (257 degrees F), while the static reservoir pressure was 441 bar (6396 pounds per square inch), and the mud weight was 1.27 times water. The tubing used on the job was 4-1/2 inch premium production tubing with metal-to-metal connections.

Halliburton Energy Services provides products, services, and integrated solutions for oil and gas exploration, development, and production. Capabilities range from initial evaluation of producing formations to drilling, completion, production enhancement, and well maintenance -- for a single well or an entire field. With more than 300 service centers in more than 90 countries, Halliburton possesses the global perspective that is increasingly important for energy exploration and production.

Halliburton, founded in 1919, is one of the world's largest providers of products and services to the petroleum and energy industries. The company serves its customers with a broad range of products and services through its Energy Services Group and Engineering and Construction Group business segments. The company's World Wide Web site can be accessed at www.halliburton.com.

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