SPECTRUM® Diagnostics Identify Two Leaks in a Single-Trip Survey

SPECTRUM® REAL-TIME COIL TUBING SERVICES
MINIMIZE DOWNTIME AND PRODUCTION DISRUPTION
WITH FIBER-OPTIC TECHNOLOGY
UNITED STATES

OVERVIEW
Abnormal behavior of a well suspected of leakage was resolved through accurate detection of two leak positions within the wellbore, one at 14,159 feet (4315 meters) and another at 17,110 feet (5215 meters). This knowledge enabled engineers to swiftly remediate the problem with minimal impact on production.

Such an operation typically takes several packer sets and logging trips to achieve the same results, adding cost and unnecessary intervention risks. The efficient identification of leaks was critical to keeping the shut-in time of the well to a minimum, thus preventing production disruption.

HALLIBURTON DIAGNOSTIC SERVICES SIMULTANEOUSLY IDENTIFIES MULTIPLE LEAKS IN REAL TIME
Fiber-optic distributed acoustic sensing (DAS) and distributed temperature sensing (DTS) diagnostics from SPECTRUM® real-time coiled tubing services were used to monitor variations of temperature and noise along the entire wellbore in real time. This technology helped to accurately determine leak points, which was key to effective remediation. The job was performed with a single-trip survey, thus minimizing production impact and quickly returning the well to normal behavior.

To find out more, please visit: halliburton.com/spectrum