SecureView® Service Pinpoints Casing Leak, Locates Top of Cement, Saves $300,000 in Repairs

**Objectives**
- Identify the cause and location of a major leak in a new well.
- Evaluate integrity of both casing and cement; confirm a top-of-cement.
- Recommend a remediation strategy to restore well integrity and to maintain the largest possible production wellbore.

**Our Approach**
- A Weatherford wireline team was dispatched to provide our SecureView Well Integrity service. In a single trip, the team ran a toolstring including a CalView®, BondView™, and gamma ray tools plus casing collar locator.
- The team identified a 2-ft (0.6-m) section of parted casing between 3,434 and 3,436 ft (1,046 and 1,047 m). This indicated split connection on the box side.
- The cause of the casing failure was mechanical, specifically a completion using a port-type fracturing system.
- A repair risk-analysis identified two options: run a casing alignment tool and liner to reestablish well integrity (which would impair the production capability of the well), or pull and replace the casing.
- Because the TOC was well below the damaged casing section, the operator pulled the casing and replaced the damaged section.

**Value to the Client**
- The SecureView service provided a comprehensive well-integrity evaluation in one trip. By avoiding separate trips for casing and cement evaluations, the team saved the customer 10 hours of operating time.
- The Weatherford team identified the casing leak and the actual TOC depth. This enabled the client to remediate the wellbore without reducing its size and saved US$300,000 in remediation work that would have included liner running.