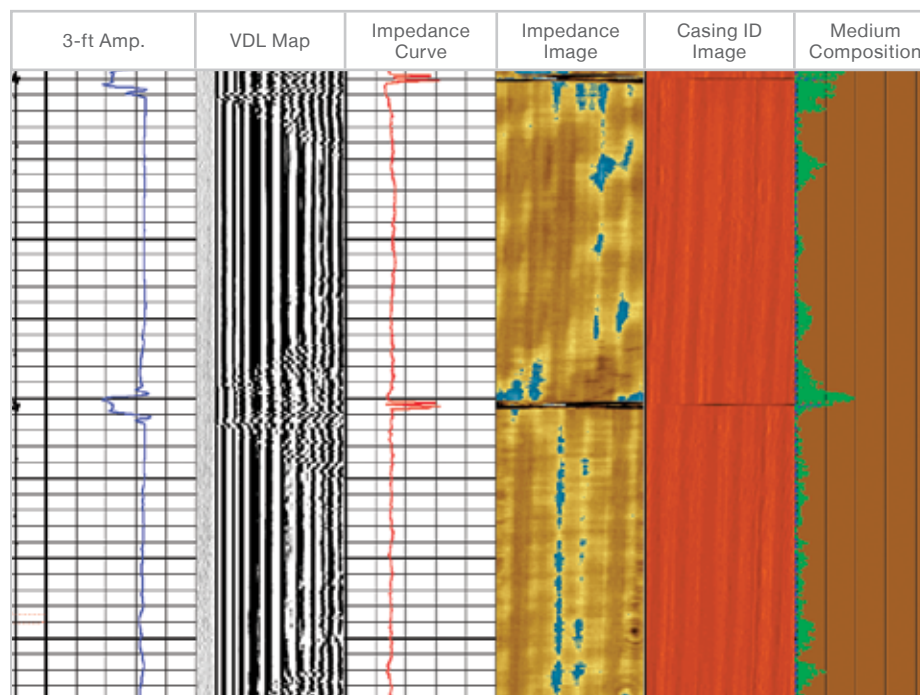


UltraView™ Tool Averts Unneeded Remediation, Saves \$800,000 by Providing Accurate Well Integrity Data



Unlike the cement bond log/variable density log on the left, which shows free pipe, the impedance map on the right provided by the Weatherford UltraView tool clearly shows fully bonded casing at the same depth.



LOCATION

Williston Basin, North Dakota

WELL TYPE

Onshore, oil

CASING SIZE

7 in., 32 lb/ft

PRODUCTS/SERVICES

- Wireline services
- UltraView tool

Objectives

- Provide accurate well integrity and cement evaluation data for nine wells. Low-frequency cement bond logs had indicated that the wells had not met top-of-cement state regulations. However during remedial cement-squeeze jobs, the operator had experienced difficulties and theorized that cement might be present.

Results

- Weatherford deployed the UltraView tool in combination with a cement bond tool to test the operator's theory.
- The higher-frequency UltraView tool provided cement map data that indicated the presence of 11.2-lb/ft lead cement, although the cement bond log indicated free, unbonded casing at the same depth. Comparing these results proved the operator's theory.
- Running the UltraView tool in all nine wells showed each had casing that met state requirements. According to the operator, relying solely on cement bond logs would have necessitated remediation in two of the wells.

Value to Client

- The Weatherford UltraView tool provided accurate cement evaluation that saved US \$800,000 by averting unnecessary remediation in two wells. Running the UltraView tool also eliminated subsequent delays in completion and production.

