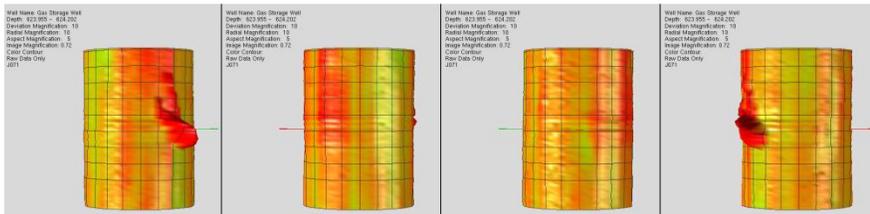


SecureView[®] Service Provides High-Resolution Casing- and Cement-Integrity Log, Ensures Regulatory Compliance



The high-resolution CalView[®] tool provided a 360° defect image of the casing string, which indicated a 40% wall loss on joint 71.

Objectives

- Provide a casing- and cement-integrity log—including casing collars—for an older 13 3/8-in. gas-storage well. Local regulations require a well-integrity evaluation every 5 to 10 years.

Our Approach

- Weatherford deployed the CalView[®] and BondView[®] tools, a part of the SecureView casing integrity and cement evaluation service. Because of the large outside diameter (OD) of the casing and the requirement for a detailed casing-collar evaluation, the crew used a 3 5/8-in. multi-fingered CalView caliper tool with standard arms.
- To provide the most accurate evaluation, the tools were deployed in high-resolution mode, which enabled evaluation at 400 samples/m compared to industry-standard 40 samples/m.
- The high-resolution tools provided a joint-by-joint casing and cement evaluation of the wells. The logs showed that all joints, collars, and cement bonds were in compliance with regulations. The CalView tool identified areas that warrant monitoring, including the identification of a 40% wall loss in joint 71 at a depth of 2,014 ft (614 m).

Value to Client

- The Weatherford SecureView service and high-resolution CalView and BondView tools performed a high-resolution well-integrity evaluation of the well. The logs provided data that not only enabled the client meet local regulations, but delivered an accurate and detailed picture that will inform future remediation plans.

SecureView and BondView are registered trademarks of Weatherford in the US.
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LOCATION

Northern Germany

WELL TYPE

Onshore, gas storage

WELL DEPTH

5,249 ft (1,600 m)

CASING SIZE

13 3/8-in.

CASING WEIGHT

61, 68, and 71 lb/ft

PRODUCTS/SERVICES

- SecureView service
- CalView tool
- BondView tool

