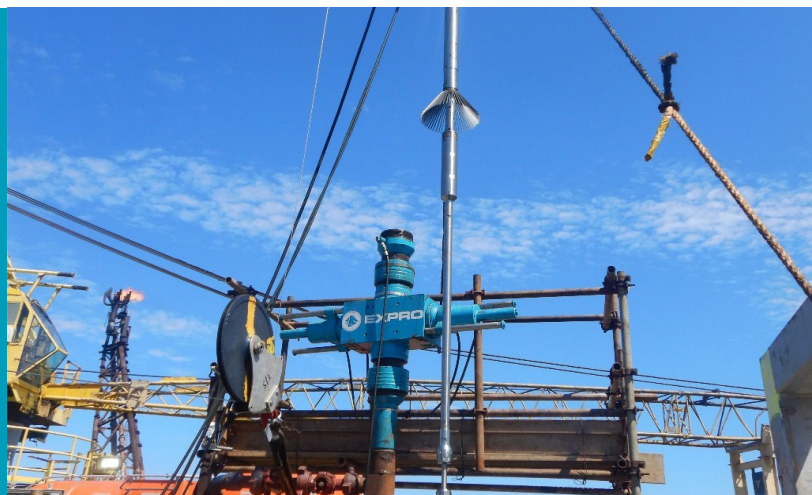


Expro Excellence

Transforming historical caliper data into proactive well integrity surveillance

Well Intervention & Integrity



Objectives and background

- A major operator managing mature gas fields relied on carbon steel tubing as part of its completion strategy. Maintaining long-term tubing required ongoing monitoring to identify corrosion trends and support intervention planning before integrity issues could impact production
- Over several years, multiple multifinger caliper inspections had generated a significant volume of integrity data. While each survey provided valuable insight into tubing condition, the data was typically reviewed on a standalone basis, limiting the ability to assess corrosion progression over time or gain an asset-wide view of well integrity
- The operator needed a more effective way to leverage historical inspection data to support proactive integrity management, optimize production and improve decision-making across the asset portfolio

Expro Excellence

- Recognizing the untapped value within the client's historical inspection records, Expro developed a digital well integrity surveillance solution that transformed individual caliper surveys into a continuous integrity monitoring program
- Using Expro's expertise in well integrity surveillance, historical multifinger caliper data was consolidated into a single analytical platform, creating a centralized integrity database for the entire well portfolio
- The solution consolidated historical data into an interactive surveillance platform, providing asset-wide, field-level, and well-level visibility of tubing condition. Through advanced visualization and time-lapse analysis, engineers could track corrosion progression, assess metal loss and integrity indicators, compare historical inspections, and quickly identify wells requiring further evaluation. By transforming inspection data into actionable engineering intelligence, the platform enabled a shift from reactive reviews to proactive, data-driven well integrity management

Value to the client

- The implementation fundamentally changed how the operator utilizes inspection data, providing greater visibility into asset integrity and supporting faster, more informed decision-making
- Key benefits included centralized access to historical integrity data, asset-wide visibility of tubing condition, improved corrosion trend analysis, faster identification, and prioritization of wells requiring attention, and more effective inspection planning and engineering decision-making
- The solution also established a foundation for predictive integrity management while supporting velocity string installation timing to maximize production. By transforming historical caliper data into actionable engineering intelligence, Expro enabled a more proactive, data-driven approach to well integrity and long-term asset management

Enhanced production



Insight



Well integrity

