



ForeSite SENSE

Reservoir Monitoring Solutions

INSTANT INTELLIGENCE DRIVES PROFITABILITY

Reservoir behavior determines recovery potential, production efficiency, and the cost of asset ownership. ForeSite® Sense reservoir-monitoring solutions deliver continuous, actionable intelligence for any well—in any environment—and every budget.

From single production zones in mature fields to distributed sensing arrays in deepwater basins, only Weatherford combines single-cable simplicity, proven sensor reliability, and unprecedented data quality. We remain true to your well by matching data needs with well complexity and economics to present a life-of-well solution that draws from the only comprehensive selection of optical, quartz, and piezo-electric gauges paired with optical flowmeters and intelligent capillary and coiled-tubing remediation services.

Our portfolio is anchored by unmatched optical-sensing expertise and 30 years of experience. Installed in more than 7,000 wells, ForeSite Sense is field-proven in every well environment from the Permian Basin to the Middle East to deepwater Brazil. This end-to-end reservoir intelligence solution is part of the ForeSite ecosystem—offering unprecedented gains in productivity, uptime, and efficiency through enterprise-wide production optimization with autonomous controllers and non-nuclear flow intelligence.

CREATE VALUE IN EVERY WELL, ANY ENVIRONMENT

MATURE WELLS

Drive down cost of well-ownership with simple and reliable ForeSite Sense pods.

SHALE WELLS

Manage multiple producing zones with ForeSite Sense quartz solutions.

DEEPWATER WELLS

Optimize reservoir drainage with ForeSite Sense optical distributed-sensing solutions.

\$11.5M SAVED

Eliminated the need for production logging

\$100K/YEAR SAVED

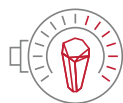
Reduced onsite personnel and HSE risk

100% RELIABLE

Eliminated failures in 7 HPHT North Sea wells



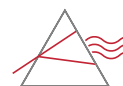
Optical and distributed sensing



Quartz sensing



Electrical sensing



Optical flowmeters



Intelligent remediation services



INSTALL RELIABLE INTELLIGENCE

Set the stage for a lifetime of production performance with field-proven reliability. From the leaders of completion technology comes ForeSite® Sense, the foundation for your intelligent completion and dependable reservoir insight.

REDUCE COMPLEXITY AND COST

with a single cable that accommodates every asset including single-zone and multizone wells.

TRUST IN PROVEN RELIABILITY

featuring permanent solutions that excel in severe environments, including thermal and mechanical shock, pressure and temperature cycling, as well as vibration, drop, and stability issues.

CHARACTERIZE FRACTURE BEHAVIOR

with real-time stimulation analysis that helps fine-tune stimulation operations.

SET THE STAGE FOR INTELLIGENT

REMEDICATION with coiled-tubing and capillary services that leverage a single, optical cable to diagnose production and well-integrity issues.

OPTIMIZE WELL PRODUCTION

Produce more barrels and reduce cost of well ownership. ForeSite Sense delivers precision downhole data that allocates production and keeps you informed of any shift in reservoir behavior.

MONITOR CHANGING WELL DYNAMICS

including slight variations in pressure, temperature, and multiphase flow-mixture for a second-by-second view of well dynamics.

OPTIMIZE ARTIFICIAL-LIFT SYSTEMS

with continuous insight on life-of-well performance including water, steam, and gas-injection rates.

DIAGNOSE PRODUCTION PROBLEMS

early using single-point or distributed sensing-capabilities to detect anomalies such as tubing or casing leaks, flow obstructions, and thief zones.

ENHANCE OPERATIONAL SAFETY

when paired with any controller or variable-speed drive for immediate alarm-based set point including automated shut in.

MANAGE PRODUCTION AUTONOMOUSLY

with the next-generation ForeSite Edge controller that leverages real-time, downhole data to adjust lift settings without human intervention.

MAXIMIZE RESERVOIR DRAINAGE

Easily identify where, why, and how any volumetric change occurs within the reservoir featuring powerful digitalization. Seamlessly integrated into your existing digital platforms, ForeSite Sense is the cornerstone of modern reservoir insight.

DETERMINE PRODUCTION AND DEPLETION

RATES in real time as reservoir dynamics change over time, from initial production to secondary and tertiary recovery.

ENHANCE AND ACCELERATE DECISIONS

with meaningful flow, pressure, temperature, and seismic data that optimizes production and reservoir-management strategies.

INFORM INFILL DRILLING STRATEGY

with continuously updated reservoir-behavior data that helps you determine well placement, spacing, and depth.

ADVANCE TO THE ASSET OF THE FUTURE

when you combine our reservoir-monitoring solutions with the ForeSite ecosystem for unprecedented gains in productivity, uptime, and efficiency. Take advantage of enterprise-wide optimization, autonomous controllers, and non-nuclear flow intelligence.