Every decision impacts profitability. As the world’s leading production-solutions company, only Weatherford delivers insight that enhances production, maximizes equipment uptime, and improves personnel efficiency. By bringing Industry 4.0 concepts to the oilfield—including IoT communication, Cloud computing, and advanced analytics—our exclusive Production 4.0 solutions seamlessly integrate all data and workflows to help you continuously improve production performance for your wells, reservoir, and surface facilities.

The ForeSite® production optimization platform is an enterprise-level decision powerhouse. Leveraging advanced analytics and physics-based models, this platform consumes data from every corner of your business to help you find and prioritize production-uplift opportunities, identify bottlenecks, detect failures before they happen, and plan and execute workovers. In addition to seamless integration of all lift equipment and optimization technologies from any manufacturer, the ForeSite platform integrates with major reservoir simulators to help you continuously fine-tune production strategies and automatically see their impact on reservoir models.

Installed on premises or on the Cloud—including Microsoft Azure, Google Cloud Platform, or Amazon Webservices—the ForeSite platform leverages modern technology concepts to detect minute shifts in reservoir behavior and automate day-to-day operations and repetitive tasks. This secure platform is the only life-of-asset solution to optimize every form of lift* from natural drive to plunger while delivering powerful operations-management workflows and exclusive asset-optimization capabilities that include production planning and forecasting. Available anywhere you go with accessibility from the office or smart device, this platform is the backbone of our ForeSite Production 4.0 capabilities and fully integrated lift, automation, flow measurement, and reservoir monitoring solutions.

*Leverage physics-based analysis to improve well efficiency and improve KPIs.

LIFT OPTIMIZATION

Lift optimization arrives in Q3 of 2021

OPERATIONS MANAGEMENT

Manage routine maintenance and workovers from failure reports to economic analyses.

ASSET OPTIMIZATION

ASSET OPTIMIZATION

Improve performance with integrated well tests, allocation, production planning, and more.
ENHANCE PRODUCTION
Systematically outsmart the decline curve. The ForeSite production optimization platform enhances production with unparalleled insight that continuously identifies problems, production-uplift opportunities, and bottlenecks.

MAXIMIZE UPTIME
Reduce costs with preventative maintenance and proactive asset management powered by predictive analytics. Our enterprise-wide approach to real-time monitoring and optimization helps you reduce production losses and downtime and improve your bottom line.

IMPROVE EFFICIENCY
Focus on what matters most. With asset-level power available from your desktop or smart device, you can systematically improve personnel, equipment, and capital efficiency. Our ForeSite platform reduces operational inefficiencies, decreases field presence, and enhances safety.

INCREASE PRODUCTION POTENTIAL
Never miss an opportunity. The ForeSite platform connects the well, reservoir, and surface facilities to identify and prioritize uplift potential with economic analyses. Real-time monitoring, control, and trend analysis guide you to continually enhance production while KPI dashboards maintain focus on key business metrics, including mean time between failure (MTBF), production targets, and more.

IMPROVE WELL PERFORMANCE
Manage wells based on actual production performance. Rather than relying on estimated or heuristic data, the ForeSite platform uses physics-based models that automatically tune against real-time field data. Based on the performance of thousands of wells, these models give you actionable intelligence to identify opportunities, detect threats to productivity, and increase run life.

INTEGRATE ALL ENTERPRISE SYSTEMS
Maximize your current technology investment. Endlessly scalable and built on an open architecture concept, our ForeSite platform offers bi-directional integration with any technology from any engineering application. By integrating all enterprise data—including workover, finance, and historians—you gain enterprise-wide data clarity, simplicity, and oversight.

ADVANCE TO FORESITE PRODUCTION 4.0
Continuously improve productivity. The ForeSite platform is the backbone of our integrated production performance solutions. With exclusive capabilities that enhance every corner of your business—including our autonomous controller, non-nuclear multiphase flowmeter, SCADA/IoT platform, and comprehensive reservoir monitoring portfolio—you can reap continuous and sustained efficiency gains for the life of every producing asset.

PREDICT FAILURES WITH ADVANCED ANALYTICS
Identify issues before they escalate. With industry-exclusive predictive analytics, the ForeSite platform extends MTBF with a complete daily checkup that tracks and diagnoses health issues for the life of your lift systems. You can now forecast potential problems and pull up a heat map to display concentrations of historical and predicted failures in a few mouse clicks.

OPTIMIZE ARTIFICIAL LIFT
Change is constant in the life of every well. Regardless of lift type, the ForeSite platform uses current and projected data—including in-flow and completion modeling, fluid properties, flow dynamics, and pressure-volume-temperature (PVT) analysis—to help you anticipate problems, design the optimal lift progression for each well, and adjust your lift strategy.

LEVERAGE INSTANT ALERTS
Know immediately when performance parameters pass critical limits. The ForeSite platform monitors your asset in real-time and generates intelligent alerts when it detects a significant change outside setpoints or trends. Users can respond to alarms and send commands directly to the well from anywhere and with any smart device.

MANAGE BY EXCEPTION
Free your team to make decisions that make a difference. We help you instate monitoring and surveillance processes that eliminate operational inefficiencies with artificial intelligence and trend analyses. With real-time asset intelligence available anywhere, your team can stop reacting to day-to-day issues and manage proactively.

DRIVE ASSET-LEVEL INSIGHT
Integrate with the reservoir to accelerate decision speed. The ForeSite platform delivers simplified, actionable data for every production function from well optimization to operations and asset management. Seamlessly integrated with major reservoir simulators, you can automatically update models based on validated well tests, auditable allocation reports, and production forecasts.

PLAN AND EXECUTE WORKOVERS
Direct field personnel with surgical precision. The ForeSite Field Services Manager prioritizes service recommendations by gauging the economic viability of every action, service, and tool. You can efficiently dispatch based on prioritized optimization opportunities, production issues, and predicted equipment failures.

VISUALIZE ENTERPRISE-LEVEL BUSINESS INTELLIGENCE
Deep dive into production data and analysis. Featuring fully integrated, built-in business intelligence with Microsoft Power BI and Tibco Spotfire, the ForeSite platform enables visual data exploration that condenses vast amounts of oilfield data from any corporate data source into actionable dashboards and reports.

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