



**WellDynamics**  
Transforming Reservoirs™



## UNCONVENTIONAL

Unlock reserves previously considered too costly to develop – without investing in multi-stage fracture treatments – with WellDynamics' SmartWell® solutions for unconventional reserves.

WellDynamics' new fracturing valve, available in simple on/off and three-position versions, brings you a cost-effective way to exploit tight gas environments:

- ▶ Reduce operational expenditures through selective and high-rate stimulation of multiple intervals in a single horizontal well without the need for mechanical intervention
- ▶ Improve operation time by eliminating coiled tubing trips
- ▶ Use the valve after fracturing for simple selective production tests and clean-up operations
- ▶ Manipulate the valve to shut off water or gas encroachment



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## THERMAL

Stand up to extreme temperatures in injectors or producers with WellDynamics' SmartWell® solutions for thermal applications.

Featuring the OptoLog® DTS HT pure-core high-temperature fiber optic technology and an innovative valve designed for steam applications, SmartWell® solutions let you:

- ▶ Monitor temperatures to confirm establishment of uniform temperature fronts in injectors
- ▶ Visualize and understand steam conformance
- ▶ Monitor hydrocarbon sweep by injected steam from injectors to producers
- ▶ Rapidly identify problems – such as unexpected steam breakthrough – and implement corrective action



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## DEEPWATER

Exploit deepwater reserves with WellDynamics' reliable and innovative SmartWell® solutions for deepwater environments.

Installed in nearly 60 deepwater wells today, new SmartWell® solutions promise even greater reliability and durability in HPHT environments:

- ▶ Flow control valves rated to 15k psi and 163°C (325°F), with optional valve position sensors that provide real-time feedback of the valve position
- ▶ Packers designed to handle heavy corrosive brines in HPHT and deepwater environments
- ▶ ROC™ permanent downhole pressure gauges rated up to 25k psi

