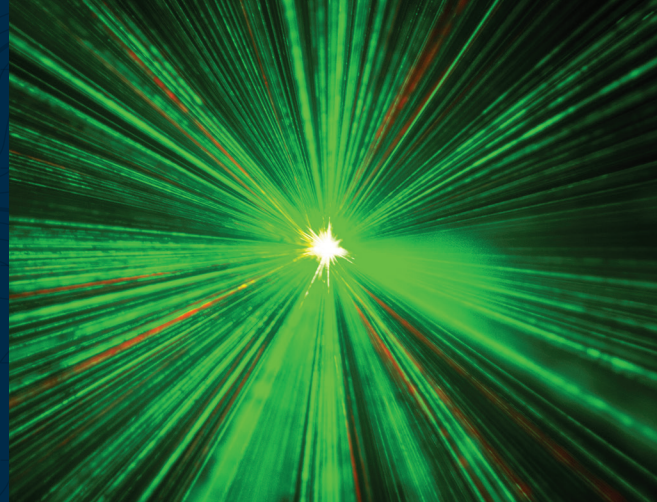


WellDog is a long established unconventional resource technology and service company

Founded in 1999, **WellDog** blends science and service to generate innovative solutions to the complex problems that arise in the unconventional resource industry. **WellDog's** mission is to drive industry sustainability through georesource innovation.



Reservoir characterization

- + Gas testing—Gas content testing in coal, shales and other tight formations
- + Permeability testing—Permeability analytics in coal, shales and other tight formations
- + Lab services—petrography and geochemical analysis

Reservoir monitoring

- + Downhole permanent electronic pressure and temperature sensing—artificial lift optimization and reservoir monitoring, single and multizone.
- + Downhole distributed acoustic and temperature fiber optic sensing—Frac and production monitoring across the lateral

Carbon Services

- + Monitoring, verification and accounting services for carbon sequestration

Artificial lift systems

- + Progressive cavity pumps
- + Solids management



WatchDog

Permanent and semi-permanent real-time downhole data solutions

WatchDog provides a comprehensive range of production and reservoir monitoring solutions that allow remote monitoring of wells and reservoirs in real time.

Our robust and fit-for-purpose systems deliver reliable long-term monitoring performance at cost effective pricing. Accurate and reliable downhole data allows you to make informed and timely decisions to optimize production and accelerate ROI. A few examples of what you can expect from WatchDog include:

- ➔ Improve the performance of your artificial lift systems
- ➔ Better understand your reservoir performance
- ➔ Effectively manage reservoir drawdown with accurate bottom hole pressures
- ➔ Establish greater understanding of inter-well connectivity

WHAT IS WATCHDOG AND HOW DOES IT WORK?

WatchDog is a flexible cable-based permanent and semi-permanent monitoring system. WatchDog systems use robust downhole measurement technologies to acquire reservoir pressure and temperature. Collected data is transmitted back to you, providing an accurate, real-time, picture of what is happening downhole. This information enables real-time decision making.

WATCHDOG APPLICATIONS

- + Artificial lift system management and production optimization
- + Pressure build up and pressure transient analysis
- + Bubble point management and reservoir drawdown control
- + Reservoir model calibration
- + Interference testing for down spacing
- + Monitoring stimulation performance behind casing during stimulation operations
- + Monitoring interference between wells looking for aerial communication
- + Monitoring stacked reservoirs for reservoir communication and depletion



WHY USE WATCHDOG?

- + More than 3,000 systems installed worldwide with a 95% historical success and zero LTI's
- + Hundreds of thousands of hours of field based operational experience means installation success
- + Unprecedented levels of service and support
- + Remote data acquisition & data center options are available
- + More than 14 million hours of data safely collected