



**Weatherford<sup>®</sup>**

## Wireless Load Cell System

Delivering cable-free reliability and simplicity to reciprocating rod-lift systems



# Avoid the hassle and expense of broken load cell cables forever.

Load cell data helps you analyze reciprocating rod-lift (RRL) well performance, minimize pump off, and optimize production. The connection between the load cell and the rod pump controller (RPC)—a cable—is susceptible to heat and cold stress, lightning, work crew damage, and even rodents. A broken cable severs the load signal for the well, which results in lost well data, production downtime, and cable replacement costs.

Our wireless load cell system delivers cable-free and problem-free load data. Attached to our reliable stainless steel load cells, the system—which contains a long-lasting, long-range wireless transmitter—eliminates the expense and upkeep of cables. The result is more uptime from your well and reduced operating costs.

## How wireless load cells work

The wireless load cell is a drop-in, transparent replacement to any traditional RRL cabled system. Powered by a single lithium battery with a reliable 9-month life, the wireless system installs quickly and reduces set-up time, especially in portable RPC or variable-speed drive (VSD) systems.

The internal antenna has a range of 300 ft (91.4 m), and the optional external antenna broadcasts up to 2 miles (3.21 km). If the system detects a loss in communications, a digital output upscales the mV signal to a fault condition.







## We offer comprehensive RRL systems and services

Weatherford, the only oilfield services company to offer extensive solutions for all forms of artificial lift, brings global expertise and an unparalleled depth of products to suit any production need.

We are the only original equipment manufacturer to offer fully integrated RRL solutions, including manufacturing, service, repair, and refurbishment. With a complete well-optimization package, from pumps to wellsite automation to data analysis, we create customized solutions with the most advanced technology available. Our unique wireless load cell system complements our comprehensive pumping solutions.

Our tools are the culmination of expert engineering and design, superior materials, and the Weatherford promise of reliability.

## The Wireless Load Cell advantage

- Eliminates load signal losses caused by damaged cables
- Prevents downtime and cable replacement costs
- Reduces load cell system installation time
- Requires no special hardware or configuration
- Offers 9-month battery life; batteries install in minutes
- Provides durability through a rugged metal housing for the wireless node
- Transmits on a frequency-hopping spread spectrum (FHSS) to prevent interference



## Wireless Load Cell System

The Weatherford wireless load cell system delivers cable-free reliability and simplicity to reciprocating rod-lift (RRL) systems. For more information about how our RRL systems—including the wireless load cell—can work for you, contact us at [po-info@weatherford.com](mailto:po-info@weatherford.com); or call your authorized Weatherford representative.



# Weatherford<sup>®</sup>

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