



**Weatherford**<sup>®</sup>

## Plunger-Lift Optimization and Testing Services

Discovering the most effective optimization solution without the up-front investment



## **Test before you invest**

True optimization calls for real-world, at-your-wellsite testing. Our plunger-lift optimization and testing services bring experienced technicians to your well so you can try our artificial-lift system on your well before you buy.

We let your well—not presumptions—determine the best artificial-lift system. Our technicians perform optimization techniques for 30 days with a single goal—getting more life from your well.

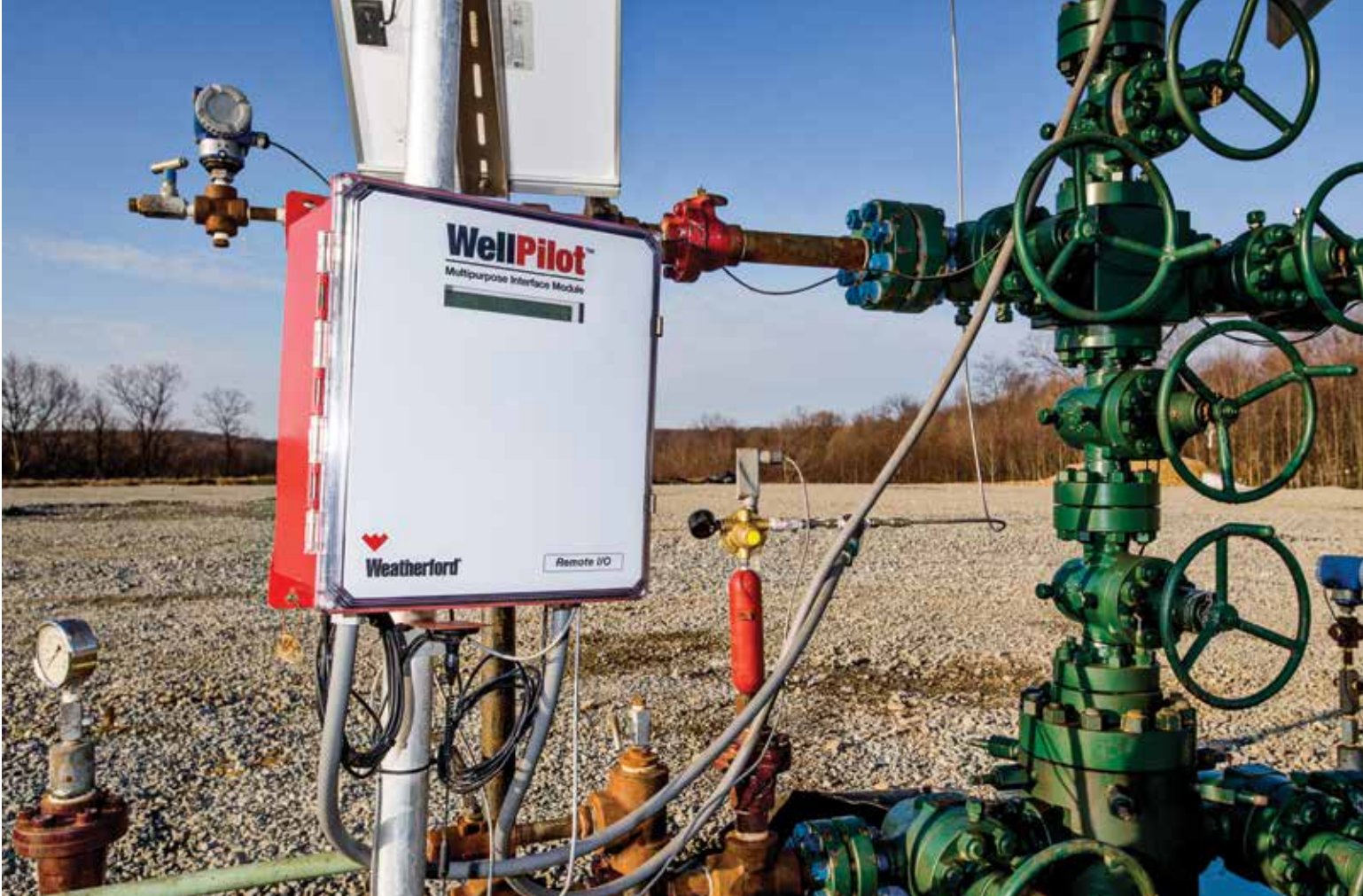
We design and install the plunger lift system that best suits your well conditions, and it includes the plunger iron and control box for your well. During the 30-day testing project, we give you detailed weekly reports that show how our solutions increase production and well life. From those reports based on real-time data, you can determine the economic benefit provided. At the end of the testing project, you get the right solution—sized, tested, and proven on your well.

On average, our clients  
**increase production by 15%**

## **Our comprehensive portfolio ensures the right artificial-lift solution for your well**

Every reservoir and every well is a new challenge, and no two solutions are exactly alike. Yet too often, artificial-lift systems are presented as one-type-fits-all.

We are the only oilfield services company to offer extensive solutions for all forms of artificial lift. We bring global expertise and an unparalleled depth of products to find the right solution for any well, anywhere in the world.



## Applications, advantages, and benefits

### **Our services are ideal for many wells:**

- Existing plunger-lifted wells with inconsistent production and run times
- New wells in need of artificial lift
- Remote locations with intermittent manned attention
- Training locations
- Evaluating for a plunger-lift system using real-time data

### **Our services give you the advantage:**

- Delivers tested, well-level proof of optimization without up-front equipment spending
- Allows real-time, remote optimization via Cygnet on Demand software
- Provides on-site evaluation to ensure the right lift system and control scheme
- Enables side-by-side comparisons between real-time and historical data with custody-level gas measurement
- Includes expertise from the Weatherford deliquification solutions and plunger-lift teams
- Offers industry-leading data resolution, increased options for control, and enhanced trending and communications

# How our try-before-you-buy testing services work

**1** We study your well.

**We gather a production history**, including casing, tubing pressures, fluid rates, and line pressures. We also study the wellbore diagram, deviation survey, and gas analyses to determine H<sub>2</sub>S and CO<sub>2</sub> concentrations, which helps to decide proper metallurgy and meter calibration.

**2** We bring an optimization system to you.

**Our test trailers include everything needed** to create a customized artificial-lift system for your well. The system controls and adjusts gas-lift injection rates and chemical pumps from the field or remote office. Our equipment includes a full range of plunger systems, WellPilot® deliquification control systems, and our Cygnet® on Demand real-time, remote-monitoring software.

**3** We measure critical flow rates.

**We create a measurement system** to match the well geometry and establish an optimal flow rate. We measure overall flow, gas characteristics, custody-transfer-level gas characteristics, and tubing, casing, and liner pressure.

**4** We report to you every week.

**Our technicians monitor the well daily** and make real-time changes to the optimization scheme to ensure you get the maximum benefit. The technician will deliver a weekly report that illustrates the progress of the artificial-lift system on your well. We also discuss the next steps in getting more life from your well.

**5** We deliver a final recommendation.

**At the end of the 30-day contract**, we recommend an ALS solution that best suits you and your well.





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## Our services deliver everything you need to optimize your well

### Equipment

- Remote terminal unit (RTU) 16-meter custody-transfer-level capability
- Multivariable transmitter (MVT), single-meter custody-transfer-level capability
- Wireless, multipurpose interface module (MIM)
- Trailer for ease of travel
- Full host of plunger-lift products based on well needs
- Meter run for new or isolated wells
- Motor valve with solenoid control for plunger applications

### Communication and control

- Cell or very-small-aperture terminal (VSAT) modem for communication
- Cygnet on Demand software
- Remote monitoring capability from any Internet-enabled device
- Weatherford pro control for optimization

### Optimization and Support

- Weatherford artificial-lift product depth, breadth, and experience
- Daily support and monitoring from qualified technical experts
- Troubleshooting support from numerous field locations

### Options

- Rental contract based on 30 days
- Available for use on multiple wells



Weatherford plunger-lift optimization and testing services help you make the right investment to increase production. For more information, contact your Weatherford representative or email [po-info@weatherford.com](mailto:po-info@weatherford.com).



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