

# SMART PLUNGER®

## Well diagnostics at the drop of a plunger

The patented PCS Smart Plunger® gives you a virtual downhole picture of the well, providing new insight for analysis and opportunities for optimization. You can easily and cost-effectively conduct common well tests and perform well diagnostics with no special training, no need for a wireline rig and minimal interruption to production.

Nearly all personnel can use Smart Plunger, which saves time and money when compared to wireline or acoustic meter technology and training costs. Simply drop it in the well like a standard plunger. A great do-it-yourself option!

Advantages of the Smart Plunger include:

- Delivers fresh data that covers the entire wellbore
- Simple to use with no special training required—works like a conventional plunger
- Eliminates wireline costs to conduct common well tests
- Ideal for remote locations where use of wireline rigs is prohibitive
- Easy to program and download data on location
- Combines traveling and stationary data logging capabilities
- Increases efficiency with simultaneous testing of multiple conditions



#### PRODUCT STYLES

Dual pad  
Optional bar stock

#### SPECIFICATIONS / MATERIALS

Up to 15,000 psi  
Up to 300° F  
Over 1,200,000 sample points;  
1 sample per second minimum  
USB or serial interface

# Smart Plunger® is one of the simplest to use, yet most accurate and economical well performance diagnostic tools.

On the outside, the Smart Plunger looks like a conventional plunger. But take a look inside and you'll find at its core a sophisticated temperature and pressure data logger. The brains of the Smart Plunger, this data logger gathers and records valuable information from the wellbore for later retrieval and evaluation.



Use the **Traveling Smart Plunger** to:

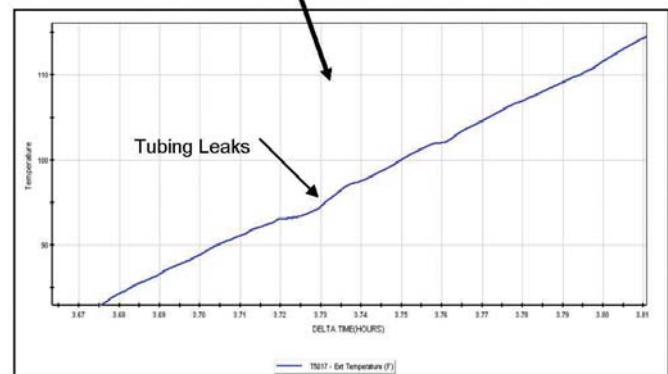
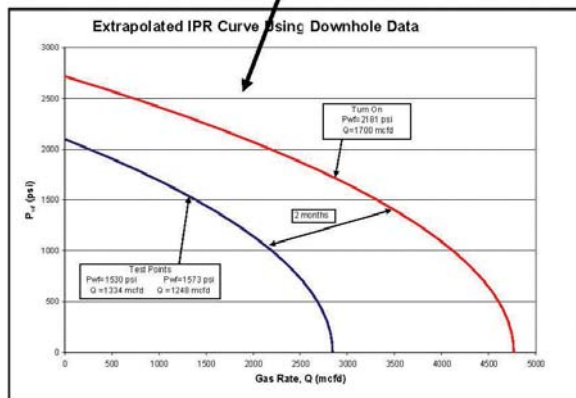
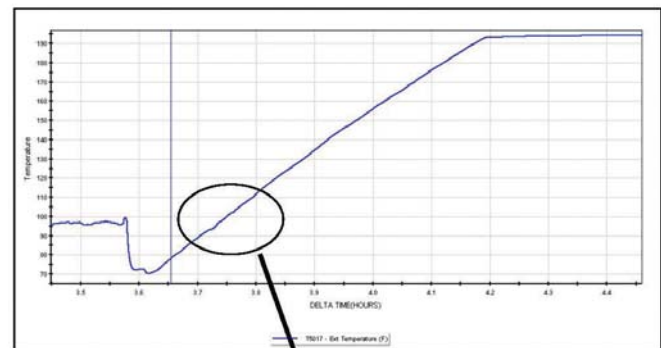
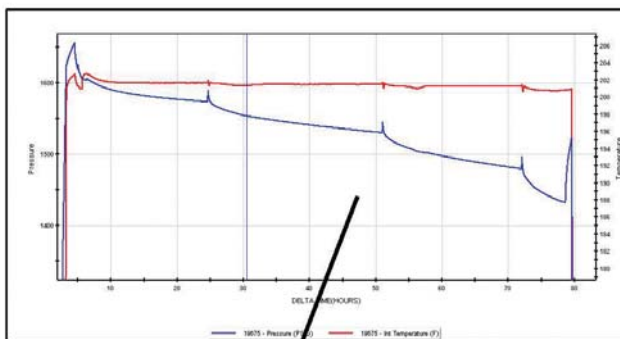
- Calculate plunger fall speeds and arrival times to optimize plunger lift operations
- Conduct build-up tests, allowing you to determine well flow capacity, permeability thickness, skin effect and other useful downhole information
- Detect holes in the tubing string, without killing the well or hiring a wireline unit



Use the **Stationary Smart Plunger** to:

- Conduct draw-down testing
- Detect communication from adjacent wells
- Analyze well performance and forecast production

Whether using the Smart Plunger in a stationary or travelling mode, data retrieval is quick and easy. The user-friendly software retrieves the collected data and translates it into a variety of graphs and reports that give you a visual depiction of the well downhole. With this information at your fingertips, you can easily analyze and interpret valuable production and reservoir information.



For more information about Smart Plunger, please contact your local PCS sales and service representative or visit us online at [www.pcslift.com](http://www.pcslift.com).

