



WellTracer™ Fact Sheet

AppSmiths



AppSmiths
Houston, Texas
USA

How Does WellTracer™ Work?

WellTracer™ is a noninvasive method to determine downhole conditions. WellTracer™ can be used to find the lift point, see if the well is multi-pointing and can identify leaks from the casing into the tubing.

WellTracer™ can answer the above questions about your well with **NO** loss of production and **NO** well intervention.

WellTracer™ uses patented technology to inject liquid CO₂ into a producing well and captures the CO₂ on its return to the surface.

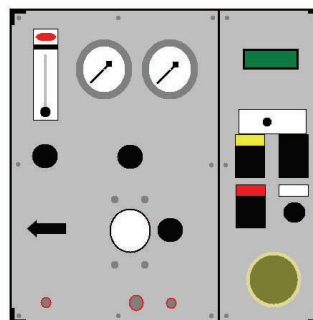
Using AppSmiths' WinGLUE™ Gas Lift Surveillance and Analysis software, you can determine which mandrel you are lifting from, whether the well is multi-pointing or if the casing is leaking into the tubing. All with **NO** loss of production.

The WellTracer™ equipment is man-portable and only requires one temporary connection point on the gas injection line and one

temporary connection point on the production line. The WellTracer™ will remain connected for the duration of the trace. The optimal connection point on the production line is the top of the wellhead tree. This connection point minimizes the amount of well fluids sent to the WellTracer™ equipment.

WellTracer™ does produce gas, and may produce liquid, which require proper containment and disposal.

A video is available for [download](#) or can be viewed on the [WellTracer™ web site](#) to simulate the operation of the WellTracer™.



The WellTracer™ measures 18¼" (46.4 cm) X 17½" (44.5 cm) X 18¼" (46.4 cm) X 116 lbs. (52.6 kg)

Who Provides What?

During a trial or demonstration, AppSmiths will provide the WellTracer™ equipment, the WinGLUE™ software and a laptop.

The customer will provide liquid CO₂ and Nitrogen cylinders. For best analysis results the customer will need to provide well data in order to model the

well(s) in WinGLUE™. Modeling the well(s) in WinGLUE™ allows for an accurate estimate of the duration of the trace and provides critical analysis of the result of the trace. This data should be submitted to AppSmiths prior to the commencement of any WellTracer™ activity.

Well data needed to ensure the best results include Well Tests, deviation surveys, mandrel and valve data, reservoir data and tubing/casing data. Recent flowing or bottomhole surveys allow the WinGLUE™ models to be calibrated for best results.

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Depths

Points of Interest

- The WellTracer™ equipment is not intrinsically safe and must be located in a safe zone.
- The WellTracer™ equipment is resistant to environments but is not completely waterproof nor dustproof.
- The WellTracer™ equipment requires a constant connection to a power source.
- 110 VAC - 240 VAC @ 50/60 Hz is required for the WellTracer™ equipment.
- No special provisions are required to use the WellTracer™ equipment offshore.