



## Shamrock Well Testing

---

---

### What do you *really* know about your domestic water supply?

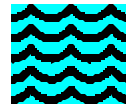
You turn on the tap in your house and water comes out. Those on municipal or private water company systems come to expect a safe, dependable water supply for a monthly charge. But things can be quite different in outlying areas. For the most part, you're on your own.

For many rural families today, water is pumped from a private well drilled into an underlying, water-bearing aquifer. How much water you can pump depends on many things: the nature of the aquifer, local geologic conditions, the depth and diameter of your well, the depth to water, the well construction and screen design, the pump and plumbing system, and the local laws.

Some of these variables you can control, some you can not.

The advantages of your personal water supply are many, but there are risks associated with it too. You avoid the costs of regular, metered water bills but you are solely responsible for the maintenance of your water system. Your personal supply can be threatened by declining water levels. New wells in the area or prolonged drought conditions can lower the water table and make the purchase of a more powerful pump or even a new well a necessity. Chemical and biological hazards from naturally occurring or man-made sources may threaten your family's health.

The best way to protect yourself and your family's domestic water supply is to take a proactive approach. If your well is new or has not been evaluated since you can remember, it's a good idea to get an overall assessment of your well's yield and the basic quality of the water it supplies. At Shamrock Well Testing, that is exactly what we do.



### Well Yield Testing

Using our state-of-the-art monitoring equipment, we will track the drawdown at various pumping rates and the recovery of your well precisely over time. This gives you an accurate assessment of the maximum

sustainable pumping rate for your well. In "good water" areas, there may be no appreciable drawdown at the rate in which you pump water. Conversely, in "low-yield" wells, we will be able to advise you how long it takes for the well to recover and provide a "recovery curve" to demonstrate this.

### Well Sounding

Using e-tapes or ultrasonic well sounders, Shamrock can accurately and inexpensively determine the depth to water in your well.

### Long-Term Monitoring

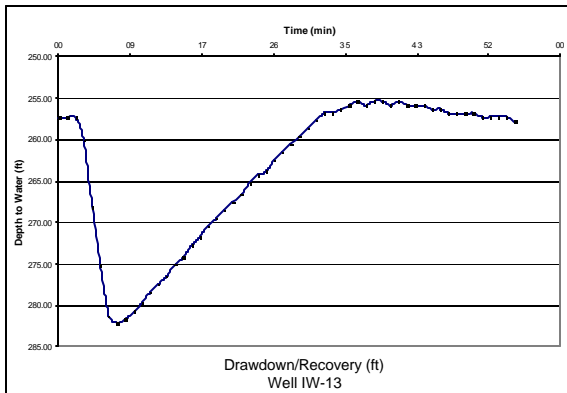
Are you concerned about the effects another well in your area has on your supply well? With a "smart sensor" temporarily deployed in your well, we can safely track the water level over time and determine if, and by how much, wells on adjacent properties affect your water level.

### Water Quality Testing

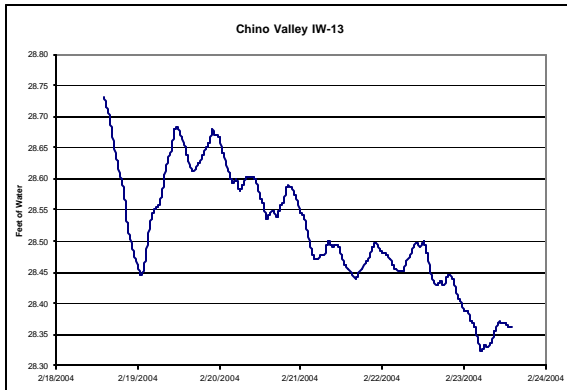
Getting an independent assessment of your drinking water can help you decide if you require additional treatment. Excessive water hardness and iron can cause scaling in plumbing, and premature failure of household appliances. Presence of coliform or E.coli bacteria, excessive nitrates, arsenic, lead or other metals can lead to serious health problems if not identified and treated. Shamrock Well Testing can provide on-site sampling and screening for these potentially hazardous contaminants.

## My Well Information

## Shamrock Well Testing



Presentation of drawdown and recovery data for well yield test.



Continuous (long-term) monitoring of wells, tanks, streams, and surface impoundments.

Well Registration No. \_\_\_\_\_

Total Well Depth: \_\_\_\_\_ ft.

Casing Diameter: \_\_\_\_\_ in.

Static Water Level: \_\_\_\_\_ ft.

Estimated Well Yield: \_\_\_\_\_ gpm

Driller: \_\_\_\_\_

Pump Installer: \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Well Yield and Water Quality Assessment for Domestic Water Supply Wells

P.O. Box 4287  
Chino Valley, AZ 86323

Ph: 928.636.8658  
e-mail: shamrock1@commspeed.net