

Requirements For Production Meters

I have been contacted several times in recent weeks to troubleshoot a well not producing water. In one case I discovered that the production meter had quit functioning; the well pump was operating just fine. In working with this situation in a small water system in northwest Kansas, I called the meter salesman and the factory representative to discuss a way to repair or replace the non-functioning master meter. The meter salesman seemed enthusiastic about this and seemed ready to help this system out by supplying parts or a new meter. I described the meter brand and model number and soon learned that this unit was discontinued. The meter sales representative commented that he would try to locate a new register to try and repair the meter. The system operator and I had checked the internal turbine. It was free and turned easily,

We discussed changing out the measuring chamber without changing the entire meter.

however, it would not register any flow at any rate. We discussed changing out the measuring chamber without changing the entire meter. Some brands do not allow replacement of individual components. The ability to change only the chamber is very beneficial as many well meters are “hard plumbed”, making it extremely difficult to replace a meter. Changing a turbine and register typically requires removing from four to twelve bolts, lifting out the old



The two screenshots above are from the Kansas Department of Agriculture's Web site (www.agriculture.ks.gov/). The lower graphic is that for the Division of Water Resources (DWR). The DWR page provides instruction and forms related to the requirement of water flow meter on water right holders.

