

TEST DRILLING

Just as in the fast food business, location is everything! The following criteria is a guide to consider when selecting drilling locations:

- Proximity to electricity
- Proximity to main water lines or point of use
- Close to access for well and pump maintenance
- Away from overhead and underground utilities
- Away from sources of contamination such as barnyards, septic tanks, fuel tanks etc.
- Away from flood zones
- Select a positive geologic setting, such as fracture trace or syncline
- Conformity with state well regulations

Once locations have been selected, test wells are drilled to determine the quantity and quality of groundwater that is available for use. These test wells are generally 8-inch diameter and constructed temporarily to allow adequate evaluation of the aquifer. The 8-inch diameter test well allows a large enough diameter to temporarily install a test pump and conduct a pump test on the water producing aquifer. Some test wells may be much larger to accommodate test pumps capable of pumping a few thousand gallons per minute.

The test well, after it has been test pumped, will establish the quality and quantity of water, the static water level and the specific capacity of the well. This data is used to assist in the design of an efficient *high yield production well*.

Miller Drilling Company Inc. has a fleet of modern well-equipped test drilling rigs capable of installing test wells in the most adverse geologic conditions. Large amounts of groundwater are generally encountered in formations that require specialty equipment and well-trained, experienced crews to be successful in the completion of the well. Miller Drilling Company has both. Our fleet includes Air Rotary, Barber – Dual Rotary, Sonic and Auger rigs. Specialty tooling includes Air Rotary Hammer, Dual Wall Reverse Circulation, ODEX, TUBEX, Rotary, and Mud Rotary. Multiple rigs and crews allow us to expedite projects quickly and complete them efficiently.



On your last project, did you use Miller, or did you wish you did?