

Requirements for Approval of Private Well Water Supplies:

1. Wells have been generally defined as deep or shallow. A deep well is one that has an effective geologic seal between the water producing aquifer and any surface water with the annular space between the casing and the drilled hole grouted or otherwise effectively sealed. This grouting must extend to a depth of at least 100 feet with no perforations in the casing above this depth. Shallow wells are not approved for drinking water. Locate deep wells a minimum of 100 feet from pollution source.
2. The owner must provide evidence of his legal right to the water. This is obtained through the State Department of Natural Resources, Water Rights Division, telephone # 538-7240.
3. The well driller report, as filed with the State (well driller's log), must accompany applications if the well exists. If not, it must be produced after the well is drilled.
4. The well casing should be extended at least 18 inches above the surrounding ground surface elevation. It is also important that the well installation be covered by a pump house or by an approved pitless adaptor and cover for protection.
5. A minimum flow rate of 1.1 gallons per minute must be supplied by the well for each connection. Flow rates of between 1.1 gallons per minute and 5 gallons per minute must have sufficient storage to provide a peak hourly flow of 5 gallons per minute. A minimum system pressure of 20 pounds per square inch is required. However, we would recommend the system be designed to provide between 40-60 psi.
6. A complete chemical analysis of the water must show that the water is acceptable according to standards set forth in the Safe Drinking Water Act.
7. After drilling is completed the well must be pumped or allowed to flow free of mud and sand and then sanitized by the introduction of sufficient chlorine solution into the well to produce a chlorine residual of 50 parts per million. The well driller should perform this.
8. Three consecutive clean bacteriological samples show that the well is uncontaminated. These samples must be collected and analyzed by the Davis County Environmental Health Services Division.
9. An approval letter will be sent to the property owner when all the required information that has been requested meets standards for safety and quality.