

## **SHOCK CHLORINATION PROCESS FOR BORED/SHALLOW WELLS(less than 100 ft. deep)** **(24-36 INCH DIAMETER CONCRETE TOP)**

Before chlorinating a well, make sure all necessary repairs, etc. have been completed.

If well is a shallow - type, bored well with concrete curbing & top, less than 100 feet deep—follow these directions:

1. First—determine how many feet of water are in well:
  - Take a ball of cotton string, long enough to reach to bottom of well;
  - Tie a small weight to the end of the string, securely;
  - With well top off, rest your hands on the edge of well, holding the string, and let weight down into well, until the weight touches the surface of water, making ripples.
  - Tie a slipknot in string where it is at your hands;
  - Let weight down further into the water, until you feel it hit the bottom of the well;
  - Tie another slipknot in string
  - Pull string out of well and measure between two knots. This is how many feet of water are in your well.
2. To determine how much liquid laundry bleach you will need to chlorinate your bored well—for every 10 feet of water in the well, put 1 Gallon of plain, unscented laundry Bleach. For example if you measure 20 feet of water, put 2 gallons of bleach, etc. If you have less than 10 feet of water, 1 gallon of bleach is fine. Always buy fresh bleach at the store—it loses its potency quickly.
3. Pour the required amount of bleach into the well, and put the top back on. Do not run any water for at least 24 hours. Do not allow anyone to drink the water while the bleach is in it—turn off the pump switch, if possible. It is a good idea to collect some water in containers beforehand, for washing and flushing during the 24-hr period, if someone is living in the house.
4. After the 24 hours are up, go to each faucet in the house, turn on the water and run it for a minute or so, until you smell bleach—then cut that faucet OFF. Do this with each faucet in the house—kitchen, bathroom, laundry room, etc. Then, with all the faucets turned OFF—let the water sit in the lines for 1 HOUR. (this disinfects the lines).
5. To run off the chlorinated water: Hook up a hose to the outside faucet and turn on the water for ONLY 10 MINUTES AT A TIME—letting it run away from the house. After the water has run for 10 MINUTES—turn the faucet OFF. Let the pump rest for a HALF HOUR. Then run the water through the outside hose for another 10 MINUTES. Then turn it off and let the pump rest for another HALF HOUR. Repeat this cycle several times—until the water coming out of the hose does not have a chlorine odor. (This cycling on & off is necessary, in order to save the pump.)
6. When the cold water no longer has a chlorine odor, then the water is ready to be sampled for analysis.
7. Follow sampling instructions on back of sample form.