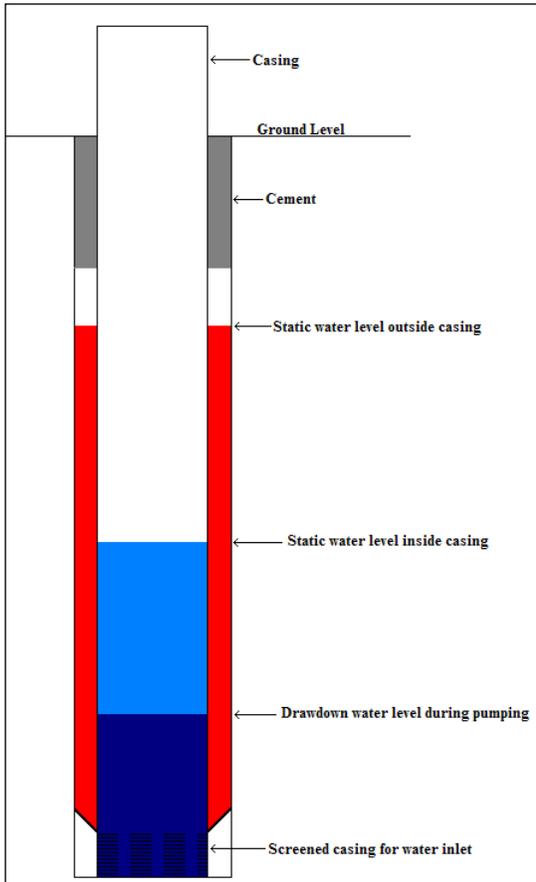
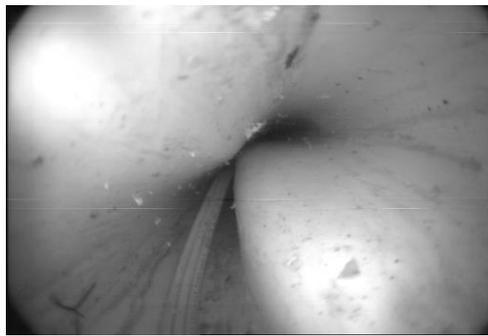


Bee Cave Drilling, Inc.

Choosing the right casing for your well



The casing is the most important part of a water well system. Without it, your well collapses and will have to be drilled again. For years, the drillers in this area have struggled with casing collapse. The column on the outside of the casing fills up with seep water, while the water inside the casing pushes back out. When the water level drops during pumping, the water on the outside pushes in on the casing. This is even worse during drought periods. If the pressure on the casing is more than it is designed to handle, then the casing will collapse. This ruins the well and, in many cases, captures the pump.



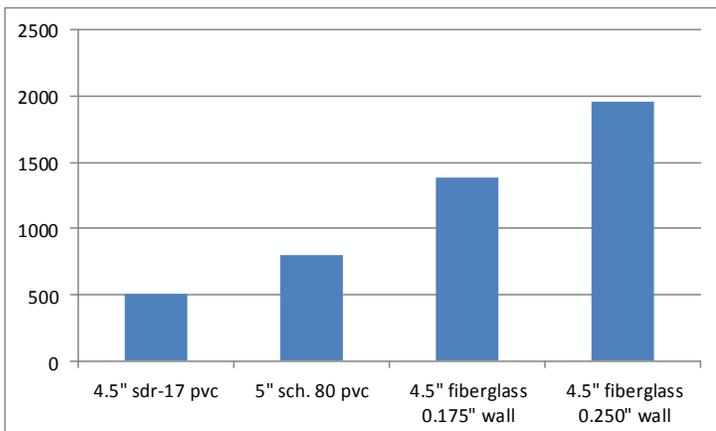
PVC casing is widely used because of its low cost and efficiency. However, PVC has limited strength that can be a problem for the deeper wells that we have in our area. During recent years, many wells that were cased with the wrong pipe have collapsed. (To the left is a picture from a downhole camera of collapsed casing.) Our customers have grown tired of this problem, as have we.

For some wells, the answer to this problem has been steel casing. But with the water quality we have in many wells, the steel casing is rusting very badly. Many steel cased wells have to be re-drilled after only 20 years of service. Finally, a new product is

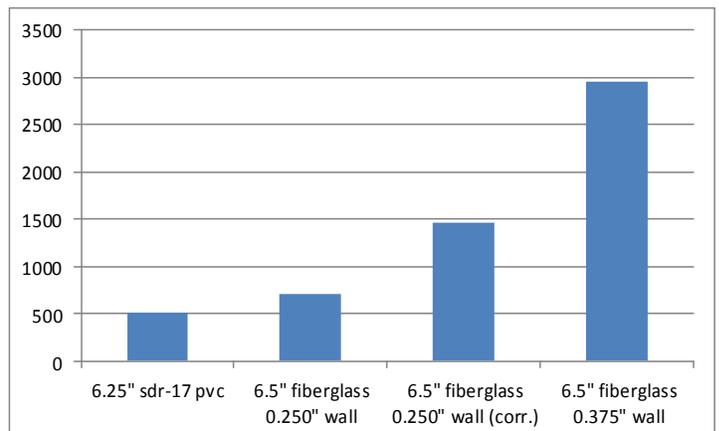
available for use in Texas. Fiberglass casing has been used in the US for over 30 years but has only recently been approved by the State of Texas for wells. It is strong like steel but has the corrosive resistance of pvc.

If you are drilling a deep well, think carefully about the casing that will be used. The charts below show the collapse pressure rating (in feet of head pressure) of each casing option. How deep is your well going to be? Which casing makes sense for you? Using the proper casing may be more expensive but could pay for itself in the long run if it avoids having to drill a new well due to casing collapse.

Residential 4" pumps



Commercial 6" pumps



We have made a commitment to quality even though we may lose a job over price.