Can I Drill A Well Myself?

Get complete access to a steady off-grid water source while economizing money. Although drilling manually is daunting and tedious, drilling a well can be hassle-free with appropriate tools. More significantly, regardless of small or deep well drilling, the right skill and planning are ideal for those seeking to be self-reliant. So let's dive deeper to learn the steps of water **well drilling in Fallon NV.**

Drilling Setup!

Following is the supply list for the 100-foot well:

1. Pneumatic drill set

2. Air compressor

3. Automatic inline oiler or lubricator

4. Air tool oil's one quarter

5. 160 feet of 1-inch PVC pipe

6. Magic marker

7. 700 pounds of small pea gravel

8. Measuring tape

9. 5 feet of 8-inch PVC pipe

10. 10 feet of 2-inch PVC pipe

11. 80 pounds of concrete mix

After collecting these materials, a day of planning is necessitated before drilling. You can purchase these materials from any home improvement store.

Step 1:

Once you've purchased the necessary tools and finalized the place to be drilled, drill the primary hole approximately 4-5 feet using an auger or post-hole digger. If required, cut 8-inch PVC to accommodate the hole, keeping 4 inches above the ground. Subsequently, drill a large hole to place the 2-inch connecting PVC pipe onto the PVC pipe's side aligned with the settling pond.

Step 2:

Construct a small settling pond, not less than 4 feet across, 10 feet below the well. After that, to attach the pond to the well hole, build an 8-inch deep trench and cover these areas with a 2-inch PVC pipe that will transport fresh water from the pond to the drill hole. Next, using a net, cover the pipe entrance in the pond, preventing debris from flowing back into the well.

Step 3:

At the pond's edge, consider placing a 55-gallon drum and tie it using stakes and turn the opening toward the well. The drum collects water from the well while distributing it into the pond, where freshwater flows back into the well through the pipe.

Step 4:

Use glue to attach a 1-inch PVC pipe to the pneumatic drill and seal it with duct tape to eliminate leaks. Also, leave a mark every 5-10 feet to monitor how deep you've drilled, and place the connected PVC pipe's other end in

the 55-gallon barrel. During the drilling process, driven by compressed air, mud and water will penetrate the pipe via tiny holes above the drill, passing through the pipe into the drum and settling pond to get cycled back into the water well hole. However, if you find the process complex, seek assistance from the **water well installation specialists in Carson City NV**.

Step 5:

You might need to install and link the air compressor to the drill and keep the air hose out of the way while drilling by wrapping it using duct tape. It's worth noting that, considering your soil type, you might require the 8-inch PVC pipe. For instance, hard-clay-like soil is solid enough to prevent the hole from collapsing without piping.

Since drilling a well utilizing this equipment can consume between 15 hours to weeks, owing to the soil type, employ at least three people working with you: one to operate the compressor, the second to drill, and the last one for breaks. The compressed air in the drill should never be stopped for underwater drilling. If this arises, stop drilling and clean the motor before resuming. Ensure your drill team acquaints with the process from start to finish as this can consume time and dilatory the process.

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