

New Way To Drill Your Own Well

If you've checked the price of drilling a new well lately, you know you're looking at an expense of thousands of dollars. That's what prompted a pair of Texas inventors to come up with a new do-it-yourself method.

The heart of the system is an air-powered sander/polisher that can be picked up for about \$35. The Bursons removed the handle to fit the power tool inside a piece of pvc pipe. Then they drilled a hole in the back of the sander's housing so air could exit.

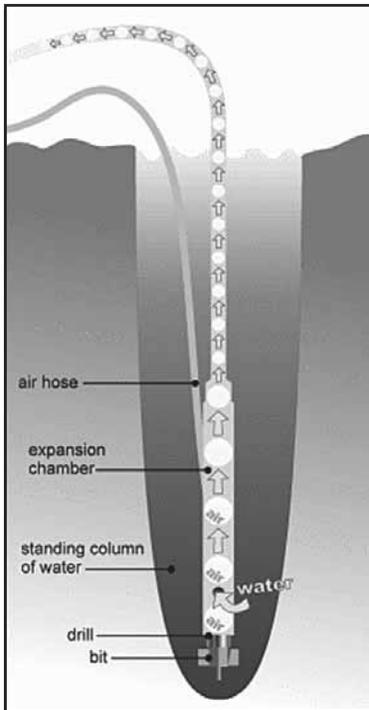
With the right selection of "bits" and a compressor that'll put out 16 cfm at 90 psi, they soon had a well drilling rig. Best of all, Burson says, it practically digs the well by itself. Here's how it works:

A small hole is dug and water is added. Then the pipe with the sander and bit inside is inserted into the hole. As air passes up the pipe, it creates a vacuum that pulls in the water and soil to the surface through a hose. After filtering out the solids, the water is returned to the hole.

"The most revolutionary idea in the system was using the exhaust air coming out the hole in the sander's housing to remove water and dirt from the hole," says Burson. He reports using the system to dig wells as deep as 210 feet.

Kits ship with bits to drill a hole large enough for a 4-in. thin wall, pvc casing.

The time needed to drill a well depends on the type of soil and the depth needed to find water. In sandy areas of Florida, drilling a well can take as little as a day, while clay and rock can stretch drilling out to a week



or more.

Well-Tek sells kits for \$399.95, and individual parts are also available. Plans and an instructional DVD are available on the company website, which features video of the system at work.

Contact: FARM SHOW Followup, Well-Tek, 10758 Highway 155 S., Big Sandy, Texas 75755 (ph 903 576-6800; www.howtodrillawell.com).

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Hydraulic Drive For Grain Bins

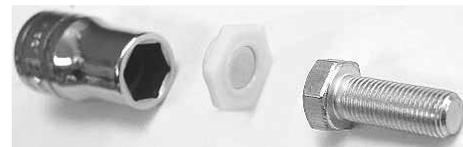
"We've eliminated power lines, wiring, electric motors and starters, and all the pulleys and mounts needed to outfit an unloading auger for electric drive," says Wayne Niewold, of Hydra Fold Auger, Inc., manufacturer of a handy go-anywhere hydraulic unloading drive unit. "It's great for handling grain in remote locations without electricity," he points out.

The drive is designed to run off tractor hydraulics of a minimum 10 gpm at 1,000 psi. It features variable speed which can be started, stopped and varied with one valve, helping prevent cracked grain by running the tube, when full, at a slower speed. The drive unit bolts to the unloading tube with only two bolts. Adjustable brackets for varying lengths of shafts are standard and hubs are



Hydraulic drive easily installs on most any existing unloading auger without removing the bearing.

available for 1-in., 1 1/4-in., and 1 1/2-in. shafts with machined keyways.



Magnetic Socket Inserts

"Our magnetic socket inserts work great for holding bolts in hard-to-reach places," says Bob Vasichek, Vasichek Enterprises, Michigan, N. Dak.

The removable inserts contains a strong neodymium magnet that's designed to securely hold nuts, bolts and self-tapping screws.

"It'll hold a bolt straight, no matter what angle you're holding the socket at," says Vasichek. "It works great for getting bolts started and especially shines with burrs because it'll keep the burr in the socket without it falling out.

"To remove the insert, you take a blunt object such as a bolt, stick it through the ratchet end of the socket and push the insert back out. "A lot of mechanics put the inserts into a set of sockets and leave them in there permanently," says Vasichek.

Standard magnetic socket inserts are available in sets of nine from 3/8 to 7/8 in. Metric sets contain 10 pieces from 10 through 19. These sets sell for \$9.95 including S&H and fit 1/4, 3/8 and 1/2-in. drive sockets.

A combination set is available which has both standard and metric inserts. This 19-piece set sells for \$17.95 including S&H.

The inserts are also available in stores including Sears, Northern Tool, and Fleet Farm.

Contact: FARM SHOW Followup, Vasichek Enterprises, LLC, P.O. Box 197, Michigan, N. Dak. 58259 (ph 701 259-2288; vasant@polarcomm.com; www.brmagneticsockets.com).

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"They're also easily installed on most any existing unloading auger without removing the bearing and can be plumbed in series with the hydraulic drive on a sweep auger," says Niewold.

Contact: Hydra Fold Auger, Inc., 931N 1600 E Rd., Loda, Ill. 60948 (ph & fax 217 379-2614 or hydrafoldauger@illicom.net).

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