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Contact: Robert Hather
(805) 439-1542
bob@lifewaterdrillingtechnology.com

Water Innovations Showcased at World Water Day Event in Washington
Lifewater Drilling Technology is recognized for the LDT 360 Cable Tool Drill Rig

San Luis Obispo, CA – The U.S. Department of State and U.S. Water Partnership celebrated World Water Day by displaying twenty-eight American developed water technologies, designed to address global water challenges in developing countries. These technologies were part of the “USTech H2.0,” event held on Friday, March 21 in Washington D.C. One of the innovations selected was the LDT 360 Cable Tool Drill Rig, offered by Lifewater Drilling Technology in San Luis Obispo, CA.

“We’re honored to be selected as an exemplar water technology. It has always been our goal to provide a solution, making a smaller, simpler, more cost efficient and effective alternative to drilling wells,” said Robert Hather, President of Lifewater Drilling Technology.

The LDT 360 Cable Tool Drill Rig was recognized for its percussion drill design which combines the attributes of a cable tool rig with a modern day hydraulic drive system. The drill costs an estimated one tenth of a conventional rotary drill, and requires less fuel per well drilled. The LDT 360 also eliminates the need for commonly used mud and air compressors.

Due to the drills compact size and design, it can be attached to a pick-up truck and moved from job to job, a task that can require as many as five vehicles when transporting a rotary drill. The size simplifies the logistic capabilities for the operator as well, resulting in a machine that requires only one person with minimal experience to operate.

“We specifically designed the rig to meet challenges found in developing countries. So cost savings is obviously a big factor. From transportation, to operation and maintenance, our number one goal has always been to make drilling wells for water affordable,” said Hather.

The drill has been rigorously tested by individuals with no previous drilling experience. On average, new operators with basic mechanical skills can learn to work the drill after one day of training, eliminating the need for highly trained individuals. The rig was specifically designed using parts that are commonly available in every part of the world, making maintenance affordable as well.

Other water technologies showcased at the event included water treatment, purification, pumping, monitoring, testing, energy and nutrient recovery, and water plant design. Technologies were on display as part of an interactive exhibit and presentation for the 200 attendees.

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Lifewater Drilling Technologies is located in San Luis Obispo, California, USA. For more information, visit www.lifewaterdrillingtechnology.com, email info@lifewaterdrillingtechnology.com or call Bob Hather at 001-805-439-1542.