

KENTUCKY DRILLER QUARTERLY

Volume 5, No. 3

Division of Water Groundwater Branch

July/October 2001

Driller Conducts Training In Saudi Arabia

Thomas D. Dalzell (Kentucky certified monitoring well driller) and a work colleague, Eric Saiz, from AMS, Inc., American Falls, ID, recently visited Saudi Arabia. They arrived on Saturday, April 28, 2001, and prepared for a six-day job including equipment modification, training for drilling/direct push, and an introduction to groundwater monitoring well installation.

The activities were conducted with four staff members from Saudi Arabia's King Abdulaziz City for Sciences and Technology, Institute of Natural Resources and Environment, Earth Sciences Program (KACST). KACST owns an AMS 9600 PowerProbe direct push/hollowstem auger drill rig.

The first day brought introductions, then supplies were loaded and the group traveled to a field station in Qasim near Buraidah, about 250 miles (400 Kilometers) northwest of Riyadh, Saudi Arabia. The field station consisted of a one-square mile fenced property containing a small several-acre second fenced compound of barracks and research facilities. Upon arrival, Thomas and Eric inspected the PowerProbe and conducted basic maintenance activities.

KACST personnel were trained on maintenance activities for the PowerProbe, direct push tooling, and basic operations to the PowerProbe.

Thomas and Eric demonstrated direct push procedures using the 2 – 1/8" outside diameter dual-tube liner-

grabber system inside the compound. Samples were successfully collected from the surface to about 36 feet below ground surface (bgs). The lithology at this location was mostly moist silty sand.

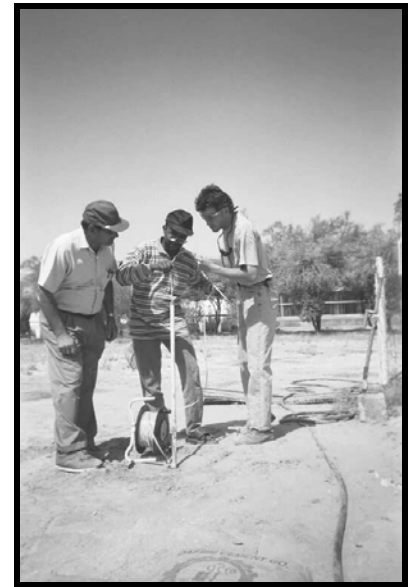
They also planned groundwater monitoring well construction activities and procured available well materials.

During the next few days, Thomas and Eric demonstrated various drilling procedures, installed a customized groundwater monitoring well casing to approximately 34 feet bgs and demonstrated several different types of sample collection procedures. Various sampling techniques were performed reaching depths of 34.5 and 40 feet bgs during those days.

On the fifth day, Thomas demonstrated use of the grout pump, and Eric continued to train KACST personnel on operation of the PowerProbe and direct push procedures.

On the sixth day (Thursday, May 3, 2001), Thomas and Eric conducted a training review, traveled back to Riyadh, Saudi Arabia, and were back at AMS, Inc., in American Falls, Idaho on May 7.

Article by Thomas D. Dalzell



At right is Thomas D. Dalzell.



Driller Passes Away

On May 22 the Groundwater Branch learned of the death May 8 of Randall Hatfield of Hatfield Drilling, Inc., Big Clifty, Ky. Mr. Hatfield had been drilling wells in Kentucky for 30 years and was a Kentucky certified driller since 1985.

Our sympathy goes out to Mr. Hatfield's family.



Board Meeting

The next scheduled meeting of the Kentucky Water Well Certification Board will be Tuesday, Dec. 18, starting at 9 a.m. at the Division of Water in Frankfort.

The meeting will be open to all drillers and the public.



Call BUD Before You Dig

Kentucky Underground Protection, Inc., is a non-profit organization established to provide a communication link between excavators and operators of underground utilities.

KRS 367.4901 to 367.4917 requires that you call two business days before you dig in the state of Kentucky.

The toll free number to call is:

1-800-752-6007

In Louisville, (502) 266-5123



The address for the Ground Water Atlas from the Kentucky Geological Survey is:

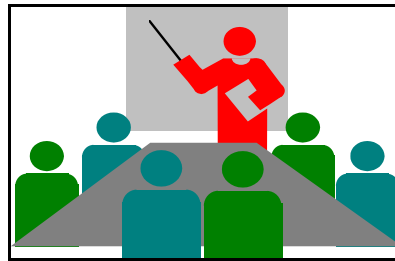
<http://www.uky.edu/kgs/water/research/bwatlas.html>

Or call (859) 257-5500.



On occasion, some drillers have not received mailings sent to them from the Division of Water. This includes renewal applications, the Quarterly and other drilling and regulatory information. Since there is pertinent information to drillers in these mailings and the Quarterly, a letter is being sent to all companies that have a Kentucky certified driller, requesting that all mailings get to their certified driller.

Please make arrangements with your company to receive all your mailings from the Division of Water. This will allow you, the certified driller, to comply with all regulations and avoid any penalties or delay in receiving renewal status.



Training Opportunities

The Remediation Course

Orlando, FL
December 3 – 7

Contact: Princeton Groundwater, Inc.
P. O. Box 273776
Tampa, FL 33688-3776
Phone: (813) 964-0800
Fax: (813) 964-0900
E-Mail: info@princeton-groundwater.com

National Ground Water Association Courses

Principles of Ground Water Flow, Transport, and Remediation

Tampa, FL
December 4 – 6

An Introduction to Ground Water

San Antonio, TX
January 21 – 23, 2002

National Ground Water Association Annual Ground Water Expo

Nashville, TN
December 7 – 9

Contact: National Ground Water Association
601 Dempsey Rd.
Westerville, OH 43081-8978
Phone: (800) 551-7379
Fax: (614) 898-7786
Web: www.ngwa.org

Iowa Water Well Association Annual Convention and Trade Show

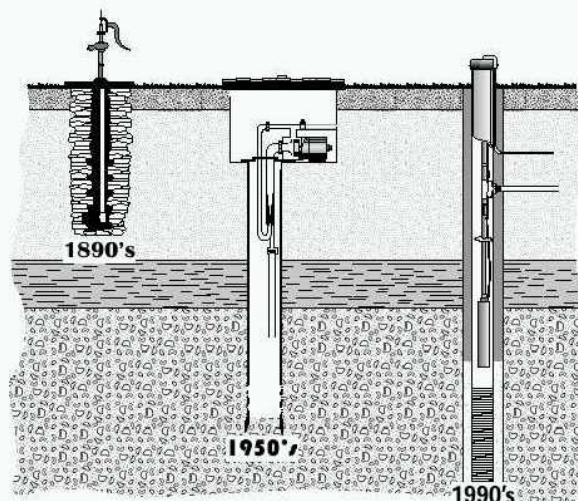
West Des Moines, IA
 January 31 – February 2, 2002

Contact: Cathy Heldt
 Phone: (515) 243-1558
 E-Mail: staff@iwwa.org
 Web: www.iwwa.org

In order to use training other than the Kentucky Ground Water Association's Annual Drillers' Workshop, you **MUST** contact Joe Moffitt, Harold Lee, or David Leo at the Groundwater Branch.

Remember to obtain proper attendance documentation when attending any training for your continuing training requirement. This includes a signed certificate, training card, or letter along with an agenda.

Well Construction Evolution



Source: State of Ohio Technical Guidance for Well Construction and Ground Water Protection

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New Employee



Jo will be working with drillers and well owners regarding the proper construction, reporting and maintenance of monitoring wells. In addition, she will be answering requests for information from governmental agencies and the public concerning monitoring wells. Jo's strong background in mathematics and statistics provides the Groundwater Branch additional expertise in analyzing groundwater data from the Department's extensive database.

A native of Los Angeles, Jo Blanset received her B.A. in geography with an emphasis in environmental studies from California State University, Fresno in 1989. She is currently working on a double M.S. in geology and mathematics/statistics from Eastern Kentucky University. She has taught Developmental Mathematics courses for Eastern's Department of Mathematics and Statistics in addition to teaching Physical Environment labs for the Department of Earth Sciences. Jo is a recipient of the Department for Environmental Protection's student scholarship and as such completed an internship with the Groundwater Branch in the summer of 2000.

John Shuttleworth, Groundwater Branch

The Groundwater Branch is pleased to announce the addition of Jolene (Jo) Blanset to its staff. Her primary duty will be reviewing monitoring well records in the Data Management and Support Section. This position was previously held by Gary O'Dell who left in August to take a faculty position at Morehead State University.



Kentucky Driller Quarterly is a publication of the Kentucky Division of Water.

Inquiries should be made to:

**Harold Lee, Editor
Kentucky Driller Quarterly
Division of Water
Groundwater Branch
14 Reilly Rd.
Frankfort, KY 40601**

Phone (502) 564-3410

All contributors to this issue are employees of the Division of Water.

Visit the Groundwater Branch page on the Internet at:

<http://water.nr.state.ky.us/dow/dwgr.htm>

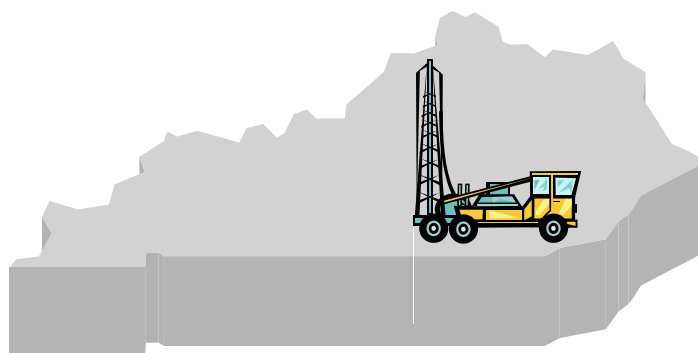
E-mail: Harold.Lee@mail.state.ky.us



**Natural Resources and Environmental
Protection Cabinet
Department for Environmental
Protection**



The Natural Resources and Environmental Protection Cabinet does not discriminate on the basis of race, color, national origin, sex, age, religion, or disability and provides, on request, reasonable accommodations including auxiliary aids and services necessary to afford an individual with a disability an equal opportunity to participate in all services, programs, and activities.



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