



WATERLINE

Important WGWA Update

We regret to inform you that the 2021 Wyoming Ground Water Convention is cancelled. We have discussed every option, but must take into consideration the safety and well-being of our members, first and foremost, followed by the restrictions imposed by state health officials for large group meetings. Finally, the availability of vendors and speakers are simply too unpredictable due to ever changing travel restrictions.

The Wyoming State Board of Examining Water Well Drilling Contractors & Water Well Pump Installation Contractors (WWCB) is going to forgive each contractor 13 continuing education units (CEUs). More information will be sent out regarding this decision from the WWCB. As members of NGWA, you have the opportunity to utilize some virtual training opportunities that we will make you aware of as they become available. We will send out this information through email and the newsletter, as well as our Facebook page.

We are hoping for this COVID era to be over and for life to return to some sort of normalcy soon. With this in mind, we're looking at having a summer event, be it a golf tournament, clay pigeon shoot, or even a simple barbecue, but we want your input. Whatever we choose, it would be a chance to raise funds for the Richard A. Stockdale Scholarship fund. Please feel free to reach out to any board member or Jade and let us know your thoughts.

It is with heavy hearts that we have made the difficult decision to cancel the 2021 WGWA Convention, however, we look forward to the future when we can all gather again and celebrate our way of life in a manner that is safe for everyone.

Regretfully,
The WGWA Board of Directors

Dates to Remember

WWCB Meeting
January 12, 2021

WGWA Board Meeting
January 13, 2021
@ 10am
Ramkota Hotel—Casper



ATTENTION Board Member Needed



WGWA is seeking a new Area 2 Director. This area includes the NE corner of the state.

Duties Include:

- ◆ Attending quarterly board meetings.
- ◆ Helping with the annual convention.
- ◆ Representing the members in your area.
- ◆ Submitting information for the newsletter.

If interested contact Jade.

Richard A. Stockdale Scholarship

Every year the WGWA awards scholarships to help individuals in furthering their education. If you know of someone interested in applying, please encourage them to send in an application. They are available [here](#). Make sure to complete the entire application in order to be eligible. These are due by no later than January 10th.



Do you have something you would like to see in the upcoming newsletter? Please submit it by January 10th.

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Well Owner Tip of the Month

Adapted from "wellowner.gov" through NGWA

Water Quality Testing

"The quality of your water is important. Knowing the basics about water testing and treatment can help you diagnose and address water quality issues—whether they be matters of taste, odor, or appearance, or health risks."

The National Ground Water Association (NGWA) recommends well owners test their water at least annually for bacteria, nitrates, and any contaminants of local concern. More frequent testing should be considered if:

- There is a change in the taste, odor, or appearance of the well water, or if a problem occurs such as a broken well cap, inundation by floodwaters, or a new contamination source
- The well has a history of bacterial contamination
- The septic system has recently malfunctioned
- Family members or house guests have recurrent incidents of gastrointestinal illness
- An infant is living in the home, or
- To monitor the efficiency and performance of home water treatment equipment.

Check with your local health or environmental health department for recommendations regarding the type and frequency of testing specific to your location. For help in interpreting your water test results—and what might be a health risk or an aesthetic issue—ask the lab that conducted the test or your county health department.



The National Ground Water Association Announces Virtual Groundwater Week 2020

NGWA's first 100% virtual conference will allow groundwater professionals from across the globe to participate in the industry's premier event.

(WESTERVILLE, OH – September 10, 2020) The National Ground Water Association (NGWA) has announced that Groundwater Week 2020 will be an entirely virtual event for the first time in the history of the Association.

Hosted annually by NGWA, Groundwater Week is the industry's premier trade show and conference designed to provide educational and networking experiences to groundwater professionals.

While traditionally held in-person and attracting thousands of attendees from across the world, restrictions on gatherings, due to the COVID-19 pandemic, led to the decision to move to a virtual format.

"Groundwater professionals count on Groundwater Week every year for an opportunity to network within the industry, discover new products, and continue their education," said NGWA CEO Terry S. Morse, CAE, CIC. "Hosting Groundwater Week 2020 as a virtual event is the best way to ensure everyone can experience what Groundwater Week 2020 has to offer."

Groundwater Week 2020 will feature every opportunity to maximize the virtual experience and all attendees will have the opportunity to:

- ◆ Explore products, technologies, and services from exhibitors in our virtual exhibit hall
- ◆ Learn about industry advances by virtually attending any number of informational/educational sessions
- ◆ Choose from more than 50 hours of educational offerings designed to increase job performance and earn educational credits
- ◆ Gain valuable insight regarding future industry trends and offerings
- ◆ Raise money to support the groundwater industry through various activities supporting NGWA.



[Groundwater Week 2020](#) will take place December 8-11, 2020 and [registration](#) is currently open.



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(Ford F-550 4x4)...\$52K



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IN MEMORY

Jack Weber, WGWA Founding Member November 30, 1937—August 6, 2020

John “Jack” Harold Weber died on August 6, 2020 peacefully in his home after a long period of dementia related health issues.

Jack was born November 30, 1937 in Cheyenne, Wyoming to Gladys and John Weber. As a small child they lived on the now historic Kite Ranch on the Laramie plains. These were Jack’s formative years of childhood. He was the oldest child of 4, with 3 more children to come later. He became a man at an early age helping his father provide for the family. At age 8 he drove the team of horses to get the mail which was miles from the house. They would travel to Rock River 25 miles away to attend church services, sometimes by sleigh. He received his Baptism and first Holy Communion at Holy Rosary Cathedral in Cheyenne. His Catholic faith was a large part of his life.

Being so far from town they were home schooled by their mother. Those years were difficult on the family with harsh winters and at times he was the man of the family. During the 1949 blizzard Jack was 11 and his dad broke his leg. These times would shape the type of man Jack was, honest, hardworking, and dedicated to his family.

At that time children of high school age could not be homeschooled, so his parents had to find a place where the children could go to school. They found their forever home on Lyons Valley Route in Lander, Wyoming. He was active in FFA and 4-H, but life on the ranch took up most of his time.

He graduated from high school in 1956 and in January of 1957 he signed up for the Navy. He worked as a pump man in the engine room of the USS O’Brien for 4 years.

After getting out of the Navy he went to work on a cable tool rig drilling oil wells on Green Mountain and Derby Oil Field near Jeffrey City. On May 15, 1963 he married the love of his life Pat in Lander, Wyoming at the Holy Rosary Catholic Church. He took a job pumping a small oil field with Pat as his helper pulling service pumps. In December of 1963 they welcomed their first child and daughter Lori Ann Weber who was born in Casper, Wyoming.

In 1965 they moved to Lander where Jack worked for US Steel operating pumps. Their son James Lee Weber was born in 1966 in Riverton, Wyoming.

In 1967 Jack and Pat decided to go into business for themselves and set their roots in Jackson, Wyoming. This is where Weber Drilling was started and would become his livelihood for over 50 years. In 1969 their third child, Roy John Weber was born in Jackson, Wyoming.

The early years of their business he was the driller and pump installer. Jack did not want to be ‘just a hole puncher’, he wanted customers to be happy with the work they provided. He accomplished more than that though, he would also build great relationships and leave lasting memories with all that were fortunate to know him.

Jack was President and Director of the Northwest Region of the Wyoming Water Well Association. He was a strong supporter for higher professionalism in the Drilling & Pump Industry and appeared in front of the Wyoming Legislature to enact licensing laws in Wyoming. He was a member of the Knights of Columbus and the Elks Club for 37 years.

Jack’s biggest joys in life came from spending time with his family, both immediate and extended. He loved horseback riding, fishing, hunting, and spending time attending his children and grandchildren’s activities. His passion for horses was shared by his granddaughters who were blessed having him at the arena opening gates and watching them barrel race. He also enjoyed being on “the mountain” and moving and branding cows with his brother Ron.

Jack is preceded in death by his Mother and Father John and Gladys Weber, brother Corky Weber and sister Evelyn Asay.

He is survived by his wife Patricia Anne Weber, daughter Lori (Craig) Hillman, son James (Melody Hoggan) Weber, and son Roy (Michelle) Weber. Sister Roseva (Glen) VanPatten and Peggy (Gary) McColl, Brothers Ron (Becki) Weber and Dale Weber, numerous nieces and nephews.

8 Grandchildren: Rheanne (Scotty) Boren, Jason Meyers, Chris Weber, Chelsy (Hadley) Bray, Curtis Weber, Kally (Mischa) Dziezyc, Brendon Weber, Baillie Hillman

5 Great Grandchildren: Quinten Meyers, Hayden and Haze Bray, Alaina and Cooper Boren



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For more information visit:
<https://awesomeaquifer.com/>

Other online classes and resources available through the Groundwater Foundation at:
<https://www.groundwater.org/>





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Did you know?

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2020 DOE Regulations and Submersible Pumps

By Eric Schriefer and Reece Robinson— February 17, 2020



Summary:

PEI describes the weighted average performance:

- ◆ Should be used as a generalized efficiency baseline, but you should always use your operating parameters to find the most efficient pump for your application
- ◆ Operating location on the curve is more important than PEI
- ◆ PEI is a useful guideline for energy consumption in general for a pump family (size)
- ◆ Sizing the submersible pump correctly and confirming the efficiency of your specific pump and duty point on the performance curve is a more accurate method of determining efficiency. The same pump operating at different duty points will have varying efficiencies.
- ◆ The most efficient solution won't always have the lowest PEI rating.

Limited submersible pump scope:

- ◆ The DOE only considers 2 and 4 pole motors, 1-200 HP range, 6-inch diameter and smaller.

Pump PEI is required by the DOE—but not complete system PEI:

- ◆ Individual pumps on a skid will have PEI values but the entire pump package will not.
- ◆ Advanced control logic for variable load applications can deliver more savings over estimated HI label ratings.

DOE PEI nameplate requirements:

- ◆ Individual Model Number
- ◆ PEI Rating (CL or VL)
- ◆ Impeller Trim.

All pumps in-scope manufactured after January 27, 2020, require a PEI number less than 1.0 attached to each pump.

For the full article and illustrations visit: <https://waterwelljournal.com/2020-doe-regulations-and-submersible-pumps/>



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Board of Directors

With the cancellation of 2021 Convention, we will be holding our Election through email and mail this year.

The current positions up for election are Vice President and Area 4 Director.

If you are willing to serve or would like to nominate someone, please contact Jade to have your nomination put in. Ballots will go out in January, 2021.

VISIT OUR WEBSITE: www.wywaterwell.org

WGWA

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Executive Director

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