



IGWA Newsletter

The quarterly newsletter of the Indiana Ground Water Association (IGWA)

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LETTER FROM THE PRESIDENT



David Mumma

Hello IGWA Members,

I hope everyone enjoyed our mild 2023–2024 winter weather. Of course, it's a sure sign of spring with

Easter lilies popping up and Robins returning across our Hoosierland.

I'm guessing most everybody has been catching up on machinery maintenance lately and anticipating another productive season of serving our customers' water needs.

I would like to remind some of our members to catch up on some late membership dues since last November of 2023. This can easily be a missed oversight, especially during our busy maintenance season. We appreciate you all catching up on dues and being a part of IGWA. Thank you!

We had a great turn out at our March 22nd workshop in Greenwood. We appreciate all the people who supported the event. Please see the event recap and full list of sponsors on this page.

Stay Safe!

President David Mumma
Mumma Brothers Drilling, Inc.
Lyons, Indiana 47743 • 812-659-2212

CEU REMINDER

Remember that your CEUs need to be fulfilled by the end of the 2024 year for DNR.

SAVE THE DATE 2024 IGWA BIENNIAL CONVENTION & EDUCATION EVENT!

October 31 – November 1, 2024

Blue Chip Casino, Michigan City

Mark your calendars to save the dates October 31st – November 1st. Our board is hard at work to make this a great convention. We're working on the schedule and plan to provide many great seminars, speakers, and opportunities to network again this year.

This year we will have a LIVE auction at the end of the trade show with something for everyone! The auction benefits our scholarship fund.

Registration will open in August with a special issue of the newsletter devoted to the convention. There will be an early bird incentive to sign up early!

RECAP OF SPRING EDUCATIONAL WORKSHOP

We had nice turn out for the IGWA's Spring Educational Workshop that took place on March 22 at Valley Vista in Greenwood. The IGWA board and attendees are grateful to the speakers for taking time from their days to help make this event a success as well as the sponsors for supporting IGWA and its Spring Educational Workshop.

Big thank you to our sponsors for their contributions to the event:

National Ground Water Association, Preferred Pump, and Hole Products.

Thank you to our gracious speakers:

Liz Melvin with IDEM, Todd Feenstra with Tritium, Inc., Mark Basch and Celena Langlois with Indiana DNR. And a great debt of gratitude to Randy Maier from Indiana DNR and Mark Ortman with Ortman Drilling, Inc. for filling in for speakers who could not make it to the event.



**Indiana Ground Water Association
BOARD OF DIRECTORS 2024
CALL FOR NOMINATIONS
Nominations Due September 20, 2024**

If you are interested or would like to nominate someone to serve on the IGWA board of directors, please submit your nominations by September 15, 2024. The 2024 board members will be elected during the Annual Membership meeting on Friday, November 1st during the Biennial Conference in Michigan City.

The final ballot will be available on October 28th at the annual meeting.

There are two Contractor board positions that are up for election and one Manufacturer/Supplier board position that is up for election.

Note: Please request the approval of the person you wish to nominate. They must be present at the November 1st meeting.

Submit nominations by FAX: 765-459-8750 or Email: igwa@indianagroundwater.org by September 20, 2024.

1) Nominee's information:

Name _____
Company _____
Phone Number _____

2) Nominee's information:

Name _____
Company _____
Phone Number _____

Nominated by (your information):

Name _____
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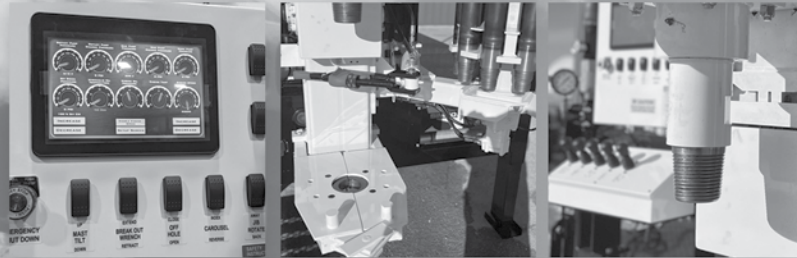
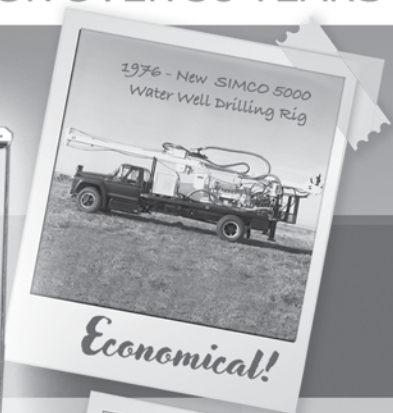
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DUES REMINDER

Just a reminder that dues were due on December 31. As a member you are listed on our website for customers to find and it allows you to save on registrations to IGWA events. This is the only organization representing water well drillers in the state of Indiana. It is important that your voice is represented with your fellow drillers. If you are not a member, please consider joining the IGWA.

Indiana Ground Water Association New Member Application

Name: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____ Fax: _____

E-mail: _____ Website: _____

Contractor \$200 _____ Technical \$200 _____ Manufacturer/Supplier \$200 _____

1st person from company, \$200 — Each additional member, \$50

Names of additional individual members @ \$50.00 each:

1. _____ 3. _____

2. _____ 4. _____

Payment Info:

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Mail check to:

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241 North 300 West, Kokomo, IN 46901
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Credit Card

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HEFTY DRILLING CONVERTS 1987 FAILING F5 DRILLING RIG TO AIR ROTARY WITH CASING HAMMER

Fabricating equipment to make better tooling to achieve solutions has long been the standard in the water well industry.

Gearhead and fabrication wizard Johnny Kay of Hefty Drilling Inc. fits the bill, recently converting a 1987 Failing F5 drilling rig to air rotary with a casing hammer. A short video captures the conversion and select photos in this article.

Kay operates in Anchorage, Alaska, which creates even more of a challenge in completing fabricating projects. He was contacted by a village in December 2022 to drill wells for it and had a rig that he would barge to such villages, but it was in bad shape.

Kay began searching for a replacement. The only one that he found was the right size and a 4 × 4 was a 1987 Failing F5 located in Florida. It took three weeks for the rig to travel from Florida to Alaska by truck, boat, and railcar.

“It was a PTO mud rig with only development air on board,” Kay shares. “I contacted the sellers and got the measurements of the mast to see if the Atlas DT 500 Casing Hammer would fit it and it would, so my wife and I took a trip to check it out. I liked what I saw and knew we could make it work for us.

“I had an old IR 250 cfm trailer compressor that someone gave me, missing the engine, so we removed the existing compressor and installed the 250 cfm in its place.”

As a PTO rig, there is only so much horsepower available, so the 250 cfm was a good fit, according to Kay who also planned to run an auxiliary compressor. A positive with the IR compressors is that the parts are still available, so Kay was able to get all new filters and miscellaneous items to freshen it up.

“These changes put it in good shape for the job,” he said. “I had the rig trailered up to Seattle and then it was brought up on the barge to Anchorage. We only had a couple months to do our modifications so it would make the first barge to the village.

“In our free time between drilling and service work, we were able to mount the casing hammer, a rod box, and the air compressor. We also moved the hard lines that run up the mast to the other side as they would get in the way for us now using a rod box. Since the rig is a Failing it really resembles the new GEFCO rigs, and I copied the new 30K quite a bit on how the hard lines are on the mast and the tree that connects to the tophead.”

The rig went to the village of Ugashik in summer 2023. Kay’s son, Dylan, successfully drilled nine screened wells with it. Along with Dylan and Kay, Shane Eliason did a lot of work on the rig getting it ready.

“We kind of fell in love with the rig and now have plans to upgrade it more [in winter 2024] with a newer truck that has more horsepower so we can run a Vanair DR 435 cfm and upgrade the hydraulics. The rig will run 10-foot casing and rod, but if we encounter bedrock or possibly want to mud drill, we can run 20-foot rods by taking off the casing hammer.”

Kay, whose father-in-law, Curt Hefty, began the business in 1979 and himself an innovative fabricator, shared two important points if someone is considering this type of conversion:

Compatibility is the most important factor to consider. “You need to have enough horsepower to run everything, so research is important,” he said. “We are running a transfer case to run the air compressor instead of hydraulics, which in my opinion, is better than hydraulics. “In a hydraulic-run compressor, you need to power a pump that then powers a motor that then turns the compressor. A lot of energy is lost and just added heat to a hydraulic system.”

For mounting a casing hammer, Atlas supplies all the items needed or it can fabricate it. Compatibility is big there also, but Atlas will most likely know what hammer fits a certain rig.

To see photos and video links mentioned in this article, visit:
<https://www.ngwa.org/detail/news/2024/03/15/hefty-drilling-converts-1987-failing-f5-drilling-rig-to-air-rotary-with-casing-hammer>

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Save
the
Dates

Calendar

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IGWA Biannual Convention
Blue Chip Casino, Michigan City



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