

**ASSOCIATION  
OF DESK AND  
DERRICK CLUBS**



# Tri-State News

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**February 2024**

**Tri-State Desk and Derrick**

**Editor's Musings**

In case you haven't seen it advertised in the media, not only does February host the Chinese New Year, Super Bowl Sunday, Valentine's Day, Ash Wednesday, President's Day, and of course, Tri-State's monthly meeting, February is also celebrated as American Heart Month.



Founded in 1924 by six cardiologists, the American Heart Association's 35 million volunteers and supporters and 2900 employees continue to work toward eliminating cardiovascular and cerebrovascular disease through clinical research and education by promoting healthy living, healthy eating habits, lifestyle changes and physical fitness. Heart attacks and strokes rank worldwide as the number one and number two causes of death. To learn more about the American Heart Association, check out their website at <https://www.heart.org>.

In that same theme, February is also a good time to learn or revisit your CPR training; and if it is available, how to use a defibrillator. The life you save could be mine!

While visiting Charles Schwab's office this week to update an account for the office, I asked the agent a couple questions about our personal account and learned some information that might be helpful to you as well. When Gary and I opened our account several years ago with TD Ameritrade, which has since been merged into Charles Schwab, we opened it in both our names as "tenants in common". The agent suggested we might want to change the account to one that is "joint tenants with right of survivorship". The difference is that with a "tenants in common" account should one tenant/owner pass away their share of the account does not automatically transfer to the remaining person but to the deceased's estate which could involve some unnecessary legal work and expense. In a "joint tenants with right of survivorship" account the deceased's share of the account automatically passes to the surviving tenant/owner. Of course, the above is my understanding of what the agent explained regarding our account and should not be considered as legal advice. But, should this situation apply to you, you might want to check with your financial advisor for their opinion.

In past years, February has delivered some of the coldest, snowiest weather of the winter. I hope you are enjoying what, so far, has been some of the mildest weather this winter. It probably won't last, but enjoy it while it's here.

Donna L. Hartig, Editor



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February 2024

**ADDC Membership**

I hope everyone is staying warm and safe. This time of year is inclement weather in most of the areas of our clubs. I think even San Antonio has seen some colder than normal temperatures!

The first order of business is getting in the membership renewals turned into ADO. It is very important to that we receive these in a timely manner. It helps immensely when planning the yearly budget. It also helps us keep an accurate count of members. Don't forget that we have student memberships as well. A few clubs have been taking advantage of this discount fee!

The ADDC Board of Directors met on Saturday, January 27, 2024, via Zoom. The budget vs actuals spreadsheet will be going out early this month. With the continued decrease in membership, it is becoming more difficult to stay in the black. We are hoping that the additions to our certification program and student memberships will help retain members and get new members. As always, we need to continue to keep up with technology and offer options to members.

Contest Chairman Philana Thompson reported that 18 Clubs submitted their contest entries by the deadline! Central (5), Northeast (3) Southeast (6), West (4). Thank you, Philana Thompson and Esther Greyeyes, who over the past year made the new electronic submission process so much easier for the clubs and judges!

March is Desk and Derrick Awareness month. Oklahoma City always has a fun game of Family Feud with questions about the industry, ADDC, Region and our club. What does your club have planned?

Please access the ADDC website as often as you can. Also, if you have any changes that need to be made to your information, you can go in and update them yourself! [www.addc.org](http://www.addc.org).

*"Building a cohesive leadership team is the first critical step that an organization must take if it is to have the best chance at success."*

-Patrick Lencioni

Sincerely,  
Wendy Sparks



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February 2024

Happy Ground Hog Day, Presidents Day and Valentines Day!

I sure hope everyone is staying warm and didn't get too much snow! I know in my area, we have received about 18-20 inches in the past week! And it's COLD!!

Have you sent your renewal in to your club? Has the club sent renewals into ADO? Please send it in. The official deadline is February 28, but we accept memberships any time up until November. The sooner the renewals are in, the sooner we can meet our budget.

Spread the word about our organization so that we can grow with new members.

I will have highlights from the Budget and Planning meeting in my March letter, as this is being written before we actually meet.

Plans are underway for the Northeast Region meeting in Canonsburg/Houston, Pennsylvania May 16-18<sup>th</sup>. Penny Jacobs and her committees are working hard to make sure we have an exciting and fun meeting. I can't wait!!

Program reports from your monthly meetings should be sent to Cheryl Grimm – [cgrimm@rangeresources.com](mailto:cgrimm@rangeresources.com). Those are needed to keep our clubs in compliance with the non-profit status. Any questions, please contact me.

Still looking for committee reps for all ADDC Committees, except Rules and Program Committees. I will be sending the form for reps to club presidents in the next week or so. Please feel free to ask me about any of the committees you might be interested in being a rep for. Most all communications are done via email – and you can learn so much.

Until next month ---

*Shelly Hildebrand*  
2024 Northeast Region Director

## COULD IDLE OIL AND GAS WELLS BE TURNED INTO BATTERIES?

Donna L. Hartig, Author



I've noticed my cell phone's battery doesn't seem to last as long as it did when it was new---even though I plug in to be recharged regularly and don't leave it plugged in after it says it has reached 100% charge. I guess I'm going to need to purchase a new battery. That got me to thinking---how does a battery work anyway?

According to Microsoft's new AI called Copilot, the following is a "simplified" explanation of how batteries work:

### **Basic Battery Structure:**

1. A battery consists of atoms, which in turn are composed of protons, neutrons, and electrons.
2. Inside a battery, there are positive and negative electrodes separated by an electrolyte solution.
3. The positive electrode (cathode) has more protons than electrons, resulting in a positive charge.
4. The negative electrode (anode) has an excess of electrons compared to protons.
5. Electrons flow from the anode to the cathode through the electrolyte solution to a device.
6. Once all excess electrons have moved to the cathode, the battery is depleted and cannot power devices anymore. (In other words, it's a dead battery-Been there!)

### **Rechargeable Battery Process:**

1. Rechargeable batteries can reverse this electron flow using a charger.
2. When charging, the anode regains its surplus of electrons, allowing it to release energy again.
3. This reversible process makes rechargeable batteries more efficient, energy-conscious, and cost-effective in the long run.

I don't know about you, but that didn't sound so simple to me. The short explanation is that a battery is like a little chemical factory that stores and releases energy. I think I like this short version best.

Okay, now we know how a battery works, how does all this relate to turning idle oil and gas wells into batteries? Energy storage is the capture of energy produced at one time for use at a later time to reduce imbalances between energy demand and energy production. A device that stores energy is generally called an accumulator or a battery.

Continued on Page 5

## COULD IDLE OIL AND GAS WELLS BE TURNED INTO BATTERIES?

Continued from Page 4

After a well has reached its economic life with no prospect of further production, the operator is supposed to go through the expensive process of plugging the hole to prevent methane from escaping into the atmosphere and potential toxic chemicals from leaking into the groundwater. With that accomplished, the surrounding surface needs to be restored to usable ground. But, what if the hole could have another use? That would be a win-win for the operator, the new user, and the ultimate consumer.

Idle oil and gas wells have the potential to become the greenest energy storage systems in existence. Here are a few fascinating approaches:

### **Gravity Energy Storage Systems (GESSs):**

Abandoned oil wells near existing grids can be repurposed into utility-scale GESSs. A Gravity Well charges and discharges by lifting and lowering a long cylindrical weight, which consists of used oilfield tubing or casing and a high-density filling. The weight is suspended by wire rope in an idle well that has been sealed with a cement plug. An ultra-high-efficiency motor-generator converts the system's potential energy into electrical energy for use on the grid. The depth and dimensions of some idle wells make them ideal candidates for this purpose.<sup>1</sup>

### **Compressed Natural Gas Reservoirs:**

Researchers propose using depleted oil and gas wells as reservoirs for compressed natural gas (CNG) storage. When needed, the gas can be released to spin a turbine and generate electricity. The reservoir is recharged using excess electricity from the grid, creating a sustainable cycle for energy storage.<sup>1</sup>

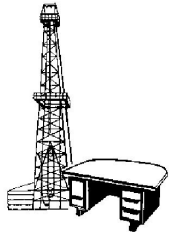
### **High-Pressure Air Storage:**

Another innovative approach involves using compressors to convert sustainable power generated by solar panels and windmills near idle wells into highly pressurized air. This compressed air can then be stored in subsurface saline aquifers or shallow wet sands, providing an efficient energy storage solution.<sup>2</sup>

By re-purposing these idle wells, we have the potential to harness their existing infrastructure to address the growing demand for energy storage while contributing to a more sustainable future. Who knew oil and gas wells could become an important element in the green energy movement?

1. <https://www.nrel.gov>
2. <https://viterbischool.usc.edu>





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February 2024

I hope everyone has been enjoying the longer daylight. Spring is just around the corner!

If you would like to volunteer for a committee for the NE Region – please let me know as soon as possible.

Our Trade or Technical School scholarship application for 2024 is being edited and will be available soon. Please be on the look out for it and share with your network.

Michael is working on getting a date scheduled for the Spring Pork Loin fundraiser. We will let everyone know as soon as we have it on the calendar.

I am working on getting an email address and Gdrive box for us so we have all of our items in one location available to all members. I will send out instructions and such when it is completed.

I still have some membership renewals that have not been turned in. Please don't forget to turn these in. If you did not receive your renewal, please let me know. These are due in February.

The dues are \$60 total. (\$55 for ADDC, \$2 for Region, \$3 for club)  
Please make your check payable to Tri-State Desk and Derrick Club and mail to me at:

Emily VanHaften

1223 East 3rd Street

Mt. Vernon, IN 47620

Our next meeting is scheduled for Thursday February 15, 2024, at 5:30PM at LRA Consulting, LLC office located at 215 W. State St., Princeton, IN.

Respectfully submitted,

Emily VanHaften





Tristate Desk and Derrick Club  
January 18, 2024, Minutes



The January meeting was held at the CountryMark Pavillion, Mt. Vernon, IN., January 18, 2024. The following members were present: Emily VanHaaften, Alesia Cato, Michael Nelligan, Stacey Dover, Coty Slyter. Attending via Web ex: Debbie Kennard, Jennifer Birkner, Donna Hartig, Beth Etzkorn, Ryan Masterson, and Travis Thompson.

President Emily VanHaaften called the meeting to order to 5:35 p.m. The guest speaker Chuck Venditti, Pipeline Integrity Manager for TRC was first on the agenda. Mr. Venditti gave a summary via Webex of the Indiana Oil and Gas Regulations and spoke briefly about the Methane Tax.

No minutes were published in the newsletter as the December meeting was the Christmas Party.

Emily VanHaaften read the Treasurer's report provided by Ryan Masterson. Stacey Dover made the motion to approve the Treasurer's Report subject to audit. Alesia Cato seconded the motion and it passed unanimously.

**Under Old Business:**

Michael Nelligan mentioned membership applications were sent in December. Few have been returned. Due in February. Michael will resend, and Emily said to send to her if you are mailing. Jeff Thompson wants to join and has asked for a blank application.

Michael Nelligan was asked by Regional Director, Shelly Hildebrant if anyone plans to attend the Northeast Region Meeting, scheduled May 16<sup>th</sup> thru May 18<sup>th</sup>, to be held in Washington, PA. Contact Emily if you plan of attending.

There are still a few openings for Region Reps for ADDC Committees. If you are interested, please contact Emily Van Haaften.

IOGA is scheduled for March 4<sup>th</sup> and March 5<sup>th</sup>. Hall opens from 12 – 5 p.m. Have a comp booth for the meeting. Going to check into a backdrop. Volunteers to contact Emily.

Michael Nelligan presented the re-designed scholarship application. Omitted the essay section and added three (3) questions as previously discussed. Discussion of wording of questions. Michael will make revisions and will review again. Applications are due April 1<sup>st</sup> of any given year.

**Under New Business:**

Emily VanHaaften suggested moving money into a CD due to balance in checking account. Donna Hartig suggested checking with ADDC as to how much money we can have before it becomes a taxable issue. Will check with Ryan and Jennifer.

Emily VanHaaften recommended changing banks since Jennifer Birkner, Treasurer lives in Mt. Vernon, IL. There are no Old National Banks close to her vicinity. After discussion, was decided not to move.

Emily VanHaaften received email confirming the Golf Outing is booked for Friday, August 16, 2024. Mentioned the Industry Appreciation was not a fundraiser originally. Make enough money with the Pork Loin fundraiser. Will have one Pork Lion Fundraiser in 2024. Suggestion for future fundraisers: Skeet Shoot, Bow Shoot, or Pickleball Tournament.

Discussed a membership recruitment event. Host a happy hour. Suggested asking John Girot to host. Club to grill hotdog and pay for food. Between 3 - 7 p.m. Include an educational program. Donna Hartig suggested checking into a liability insurance policy if alcohol is present. No decision was made at this time.

Michael Nelligan made a motion to adjourn the meeting at 6:55 p.m. Alesia Cato seconded the motion and it passed unanimously.

Respectfully submitted by Debbie Kennard, Secretary

Tri-State Desk and Derrick Club  
Serving Indiana, Illinois and Kentucky



Association of Desk and Derrick Clubs  
www.addc.org

The Tri-State Desk and Derrick Club was chartered in 2012 by the Association of Desk and Derrick Clubs for the purpose of educating its members and the general public about the petroleum and allied energy industries and their contributions to society. Meetings are held the third Thursday of each month. Membership is open to persons employed in or retired from the petroleum, energy and allied industries as well as individuals interested in increasing their knowledge about these industries. For more information about the Tri-State Club, contact Pres. Emily VanHaften, 1223 East 3rd Street, Mt. Vernon, IN 47620 812-781-1751  
Email—simpledeskllc@gmail.com



# February 2024



Sun Mon Tue Wed Thu Fri Sat

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Happy February Birthday

To

Elizabeth Thomas 2/4

Samuel Thomas 2/16

