

**Association
of Desk and
Derrick Clubs**



Tri-State News

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January 2022

Tri-State Desk and Derrick

Editor's Musings

It's a new year which, for the accounting department (or person), means posting all the transactions dated in the old year in preparation for closing the books and setting up files, etc. to begin business in the new year. If you work for a small company or companies like I do, it also means filing a myriad of tax forms with the state and the federal government in addition to preparing information for the annual returns the accountant usually files. I breathed a sigh of relief as I put what I think is the last of the 1099's in the mail--which meant I was ready to start putting this month's Tri-State News together.

Due to COVID concerns and conflicting commitments, our annual Christmas party was cancelled in December and there was no meeting for the month. January's meeting will be held remotely on Thursday, January 20th beginning at 5:30 PM at which time we'll be discussing plans for hosting the upcoming NE Region Meeting. Sign-on information will be sent out in the next few days. For anyone who might be new to Desk and Derrick, the clubs are divided between four regions in the US and Canada with the Tri-State club being part of the Northeast Region. Sam Thomas is serving as the director for our region and will be the presiding officer at this year's meeting to be held May 11-15 at French Lick, Indiana. Hosting a Region Meeting requires a lot of planning and everyone's participation to make it a success. We always try to have a little fun too!

I'm also requesting your participation in making our monthly Tri-State News interesting and informative. It doesn't take a professional (I'm certainly not) to write an article about something relating to the energy industry or about your experience in Desk and Derrick. Maybe you don't want to write a whole article but have an idea or topic you think would be of interest to the members. I'd love to hear your ideas or to help you write an article. It's easier than you might think. Give me a call or send me an email.

Donna L Hartig, Editor

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January 2022!

Happy New Year!

Time has been passing quickly and the last two years we've continued to live and work in a kind of social limbo, with more and more of our normally face-to-face interactions being conducted via virtual platforms.

Nowhere in our association activities has the pandemic been felt more acutely than in our in-person meetings at all levels! This in turn has made it more difficult for our clubs to attract members as well as to keep its current members engaged.

Our association is not the only one that is struggling with membership! From the changing dynamics of our association, and no doubt from your own experience, you can see that acquiring and retaining members are the big challenges for ADDC. These challenges have been growing as older members retire and potential new members don't see the value proposition that our association offers.

The four main problems are: delivering value, engaging members, reaching millennials, and adopting leading edge technology. This list can certainly be expanded, but these are the top four.

We will be having our first in-person budget and planning meeting since 2019. Membership recruitment and retention will be our top priority. We will be tasked with finding ways to help the clubs grow and prosper! I would ask that if you personally or your club have ideas and thoughts on how the association needs to help its clubs fulfill this huge undertaking please don't hesitate to call me or email me directly.

Budget and planning will be held January 15th, 2022 in Albuquerque, NM at the Sandia Resort & Casino. This location is also where the 2023 Convention is set to be held.

Your regions are still needing volunteers to serve in committee roles! Please don't let the fear of the unknown keep you from jumping in and lending a hand!

One last note that registration deadlines are quickly approaching for membership renewals and dues, proposed changes to ADDC Bylaws and Standing Rules, and 2022 Regional Director Nominations! Be sure to reach out to your regional directors or myself for questions or concerns.

Prayers and Blessings for a Happy New Year!
Philana



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January 2022

I hope you have an exceptionally Merry Christmas and Happy New Year. 2021 is now in the record books, and we look forward to a very exciting and productive 2022.

Secondly, I would like to thank all the clubs in the Northeast Region for their support in electing me as the Northeast RD in 2022.

We have many challenges ahead of us in the world that we work in, the family we love, and working to achieve new goals and heights in 2022 within our clubs and the organization. So it is time to begin picking up the pace and work to bring more success to ADDC.

The ADDC Board will be meeting this month in January to set new goals, and we have a great group of leaders that can work together as a team with proven success. I want to thank Evelyn Green for her dedication and the 2021 board members for a year of ups and downs and difficult obstacles they had to overcome at every turn. They did an outstanding job and set the standard we will all have to maintain and overcome!

Now on to 2022. First up will be our NE Regional meeting at the French Lick Springs Hotel in French Lick, IN May 11-May 15, 2022. It is a fantastic venue, and I cannot wait to see everyone live and in person. Hopefully, we can retire the zoom calls for a while. The Tri-State D&D club will be hosting the event, and Mike Nelligan and the team will have a great schedule for us all.

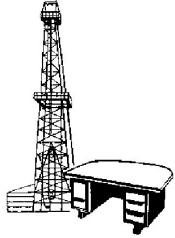
Also, please put on your calendar for our International Convention held at the DoubleTree Hotel in Washington, PA (Pittsburg Area). Penny Jacobs, GAC for the event, has put together an excellent program for us and should be a wonderful time for everyone.

Anything you need from me at any time, please do not hesitate to call my cell or by email.

Let's all work together to make 2022 the comeback year of the century!

Sincerely,

Sam Thomas
NE RD 2022



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DESK AND DERRICK
CLUBS**

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January 2022

Happy New Year!

As we look back on 2021 it can be difficult to see past the huge Omicron infected elephant in the room. Through the struggles of the past year a lot of good has also happened. Millions of people have reunited with loved ones, live entertain brought back some sense of normalcy, the first all civilian crew launched into space, crude oil saw its highest price in seven years and Britney Spears gained her freedom.

Each new year brings with it new challenges and opportunities. As a club, we have much to be excited about this year. We will be hosting the Northeast Regional meeting in French Lick, IN May 12th-14th. We will also be awarding new scholarships to deserving students, organizing a golf scramble, selling hundreds of pork loins and engaging with other industry professionals at IOGA and INOGA's annual meetings. All of these events are a great opportunity to inform the industry and the public on the purpose of our club, and the hard work our members put in. These are also great opportunities for us to expand our membership.

Speaking of membership, 2022 membership renewals have been emailed to everyone. If you have not already done so, please return your renewal applications as soon as possible. If any of your information has changed, please update that on the application.

I am excited and optimistic for this year and I hope you all are too. Our challenges are awaiting and I look forward to facing them with each of you.

Yours truly,

Michael Nelligan



Hydrogen power is gaining momentum, but critics say it's neither efficient nor green enough

Source: Catherine Clifford@IN/CATCLIFFORD/@CATCLIFFORD



Hydrogen is the simplest element, and the most abundant substance in the universe. When hydrogen burns, it generates energy in the form of heat, and the only by-product is water. That means energy created from hydrogen generates no atmosphere-warming carbon dioxide, making it one of many potential energy sources that could help reduce carbon emissions and slow global warming.

But, creating hydrogen and transforming it into a useful format requires energy — and that energy is not necessarily renewable. That process is also inefficient and expensive compared with other forms of energy, renewable or not. Many critics say the hydrogen industry is a way for oil and gas giants to stall the adoption of pure renewable energy sources like solar and wind, giving them a “green” cover while still maintaining demand for their products.

Despite the debate, companies and the U.S. government alike are pushing forward the continued development of the hydrogen industry.

“In my travels around the world I can’t name a country that hasn’t expressed excitement about hydrogen,” John Kerry, special presidential envoy for climate, at the Department of Energy’s Hydrogen Shot Summit last August. “From Saudi Arabia to India to Germany to Japan we’re setting up hydrogen partnerships around the world to advance this critical technology that every country understands has the opportunity to play a vital role in the clean energy transition.”

Hydrogen may grow into a multitrillion-dollar global market, said Kerry, although he warned China wants to dominate it.

What is green hydrogen, blue hydrogen, and so on?

Producing hydrogen takes energy because hydrogen atoms don’t exist on their own — they are almost always stuck to another atom, often another element. (On earth, hydrogen is particularly abundant in the form of water, or H₂O.) Creating pure hydrogen requires breaking those molecular bonds.

In the energy business, people refer to hydrogen by an array of colors as shorthand for how it was created.

One way of making hydrogen is a process called electrolysis, when electricity is passed through a substance to force a chemical change — in this case, splitting H₂O into hydrogen and oxygen.

(Continued on Page 6)

Hydrogen Power is Gaining Momentum (continued from Page 5)

GREEN HYDROGEN is when the energy used to power electrolysis comes from renewable sources like wind, water or solar.

BLUE HYDROGEN is hydrogen produced from natural gas with a process of steam methane reforming, where natural gas is mixed with very hot steam and a catalyst. A chemical reaction occurs creating hydrogen and carbon monoxide. Water is added to that mixture, turning the carbon monoxide into carbon dioxide and more hydrogen. If the carbon dioxide emissions are then captured and stored underground, the process is considered carbon-neutral, and the resulting hydrogen is called “blue hydrogen.”



But there’s some controversy over blue hydrogen because natural gas production inevitably results in methane emissions from so-called fugitive leaks, which are leaks of methane from the drilling, extraction and transportation process.

Methane does not last in the atmosphere as long as carbon dioxide, but it is much more potent as a greenhouse gas. Over 100 years, one ton of methane can be considered to be equivalent to 28 to 36 tons of carbon dioxide, according to the International Energy Agency.

GREY HYDROGEN is made from natural gas reforming like blue hydrogen, but without any efforts to capture carbon dioxide byproducts.

PINK HYDROGEN is hydrogen made with electrolysis powered by nuclear energy, which does not produce any carbon dioxide emissions. (Although nuclear energy creates radioactive waste which must be stored safely for thousands of years.)

YELLOW HYDROGEN is hydrogen made with electrolysis from the energy grid. The carbon emissions vary greatly depending on the sources powering the grid.

TURQUOISE HYDROGEN is hydrogen produced from methane pyrolysis, or splitting methane into hydrogen and solid carbon with heat in reactors or blast furnaces. Turquoise hydrogen is still in its nascent stages of being commercialized, and its climate-conscious value depends on powering the pyrolysis with clean energy and storing the physical carbon.

The color system is a bit simplistic and needs to be updated and made more specific, said Daryl Wilson, the executive director of the coalition of the Hydrogen Council, an organization of industry CEOs.

“The color scheme is not helpful in the sense that it’s not getting to the key point, which is what are the environmental attributes of the hydrogen being produced,” Wilson told CNBC. “The key issue is there has to be a methodology for tracking and declaring the specific CO₂ intensity of whatever hydrogen you’re working with.”

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. Michael Nelligan, Countrymark Refining & Logistics, LLC, 6701 Lower New Harmony Road, Mt. Vernon, IN 47620 812.833.2526



JANUARY 2022



Sun	Mon	Tue	Wed	Thu	Fri	Sat
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16			18	19	20 <i>Tri-State Meeting</i>	21
23	24	25	26	27	28	29
30	31					

Happy Birthday to:
SHANNON LOKER 1/7

