Not really a surprise: Science again shows that fracking doesn't pollute groundwater

by Seth Whitehead
May 31, 2018 12:00 AM

Anti-fracking groups love to throw around the label “science deniers” to describe anyone who supports oil and gas development. Maybe they should take a look in the mirror.

A recent media report on a peer-reviewed study based on 180 samples from water wells near Ohio fracking sites was headlined: “Univ. of Cincy fracking study finds surprising groundwater results.”

What exactly was so surprising?

The report is one of more than two dozen scientific studies published since 2010 that concluded fracking is not a major threat to groundwater. No fewer than 10 peer-reviewed studies examining more than 3,000 water wells across virtually every major U.S. shale play have been released in the past five years, with each one finding no evidence of that fracking has contaminated groundwater.

The reason? As the EPA’s landmark, six-year study on the subject concluded in 2016, “[H]ydraulic fracturing operations are unlikely to generate sufficient pressure to drive fluids into shallow drinking water zones,” due to the fact that the process typically occurs a mile or more below the surface.

To put this another way, even though the claim that fracking contaminates groundwater continues to be a cornerstone of the “Keep It in the Ground” movement’s unrelenting campaign to undermine American energy production, there is simply no credible scientific evidence to support that claim.

The University of Cincinnati report states plainly that researchers “found no increase in methane concentration or composition in groundwater over the four years of the study, despite the presence of new shale gas wells drilled in the study area.” And this took place at a time when drilling surged: When the study period began in 2012, there were 115 drilling permits in the region. By the end of the study period, in 2015, there were more than 1,600 permits.

Basically, there wasn’t a shred of evidence that fracking contaminated water.

This was the complete opposite of what the researchers hypothesized, but to their credit, they openly accepted their findings. Unfortunately, the same could not be said for the anti-fracking groups that partially funded the study.

In 2016, the lead researcher announced at an anti-fracking group meeting: “I’m really sad to say this but some of our funders, the groups that had given us funding in the past, were a little disappointed in our results. They feel that fracking is scary, and so, they were hoping our data could point to a reason to ban it.”

The two funders being referenced — the Deer Creek Foundation and Alice Weston Foundation...
— pulled financial support for the study soon thereafter. Similarly, the Ohio Environmental Council has been radio silent on the study’s findings despite the fact that it awarded the researchers the “Science and Community Award” in 2014, back when it assumed the study would reach the conclusion they desired.

Unfortunately, silence is a recurring theme – and not just among anti-fracking groups. The national news media has largely ignored the UC study, and the two dozen-plus reports that have determined fracking is not a major threat to groundwater are also rarely mentioned whenever anti-fracking radicals make one another of their spurious, headline-grabbing claims.

In contrast, many media outlets have amplified the narrative that fracking poses an inherent threat to drinking water sources.

No wonder the results of this report were characterized as “surprising.” The public could be forgiven for thinking the science on fracking has concluded something far different than what empirical research has actually demonstrated. Anti-fracking groups love to throw around the label “science deniers” to describe anyone who supports oil and gas development. Maybe they should take a look in the mirror.

Seth Whitehead is team lead for Energy In Depth, a research, education, and outreach program sponsored by the

Dear Friends and Fellow members,

As promised earlier this year, each month we will highlight one region before the realignment takes effect in January of 2019. This month we are recognizing Region II and it’s clubs. I was over the Moon when I received an article from Paula Mace our 1962 ADDC President. She is an amazing leader, and I am honored to call her friend. In July we will be recognizing Region I and in August Region VII. I will notify club presidents in the months leading to their respective regions. I already have quite a bit from the Buckeye Club for next month’s issue. When asked, please contribute an article or an old President’s letter, all submissions are welcome.

Once again I must apologize for the tardiness of the Insight. Last month I sent out a plea for an assistant editor, unfortunately, I received no volunteers. Once again I am requesting help from you the members. If anyone would like to collaborate on future issues of the Insight, please contact me, I look forward to working with you.

Until next month,

Maggi Franks — Editor

The Tri-State Club is one of the three remaining clubs in Region II and represents the southeastern portion of Illinois, the southwestern portion of Indiana and the northwestern portion of Kentucky. Chartered June 20, 2012 with 13 charter members and four transfers. Tri-State currently has 31 members including four members transferring from the Olney Club which disbanded at the end of 2017. With Evansville, Indiana, as the site for the 2018 ADDC Convention, members of the Tri-State Club have played a major role in working with the DoubleTree Hotel and in planning interesting field trips and educational seminars.

2018 is not the first ADDC Convention held in Evansville. The old Tri-State Club which disbanded at the end of 2002 was the host in 1994 at the Evansville Executive Inn with Lynn Gross from the Calgary Club as ADDC President and Hazel Pate serving as GAC. Although she recently retired from Downen Enterprises after 30+ years, Hazel is again playing an active role in the 2018 convention.

The 2012 summer issue of the DDC pictured 8 of the 13 charter members of the Tri-State Club with then ADDC President Judi Adams and then Region II Director Linda Welty taken in front of CountryMark’s Mt. Vernon, IN refinery when Judi officially presented the club with its charter. Emily VanHaaften was the first club president and Michele Fralick was vice-president.

Pictured are first row left to right: Region II Director Linda Welty, Jackie Browning, Emily VanHaaften, Kathy Lloyd, Michele Fralick, ADDC President Judi Adams and Cindy Robinson. Second row left to right: Michele Gross, Tessa Devoy and Sandra McCully
I am not sure where the time has gone, but I am happy that summer is finally here with the beautiful flowers, great golf weather, bar-b-ques and back yard camp fire and NO snow…. Wahoo.

This has been another busy month with attending the Region VII meeting and what a great job! I learned a lot and again, ADDC has given me gained knowledge. I had the opportunity to have great conversations with members and learn what is happening within their clubs – a wonderful time to visit with many old friends and make new ones! One of my highlights was when I had the pleasure to sit with Nadia Korpus, who is has been a member of Desk and Derrick for a 65 years. I presented her with a copy of the ADDC strategic plan and her comment was “This should have been done 20 years ago.” The look on my face, I am sure had been priceless. I said “no, maybe 10 and she replied - nope 20 years ago!” Who am I to argue with her, a 65 year member of our Association?

I have asked for assistance or members to help out. To come forward and help with jobs or things that we need help with. I have had 2 members truly put their money where their mouth is. If you have not read the Strategic Plan, please do so. If you are a great grant writer, have any marketing, social media or communication back ground and would like to help, we need you. Whether you have a few hours to give, or want to take on a huge project - please contact me or any of the Board Members. We feel that this proposed Strategic Plan will benefit all members.

The realignment has begun; we have election results in for new directors. We have the new bylaws still being worked on. Club dates to host regional meetings, voted on or to be voted on.

I am looking forward to convention, and cannot wait to see you there. Region II has been working so hard to make a wonderful conference happen. Thank you to all for your hard work!

Sincerely,

Christina Forth
June 2018

Isn’t the weather wonderful now that we are headed into the longer days, with warmer temperatures, energizing us all to enjoy this time of year whether it is doing some gardening or getting out into the great outdoors. But with the warmer weather has come heartbreak and devastation for some communities hit hard with flooding. This is just unimaginable and sad to see repeating itself.

Shortly we will be at our final Region VII meeting in Leduc, for Education, Comradery and Inspiration to Energize our club members. This month I am featuring Maida Kellgren, from the Edmonton club, in her own words.

She is a 46-year member of the Desk & Derrick Club of Edmonton. (Obviously joined as a small child.) Joined D&D after attending with the guest speaker and discovering an amazing group of interesting, professional members eager to learn more and enjoy the journey. Served as Club President in 1977 and Regional Director in 1982. Attending Association Conventions, Region VII Meetings and Edmonton Club meetings has been in my plans whenever possible. Worked on several Association, Regional and local club committees. Travelling on several Energy Excursion Tours has provided the opportunity to see many parts of the world and meet members from across the Association. After many years in the oilfield supply part of the energy industry, moved to the financial services field, earned a professional designation, and currently practice as an independent financial planner. Enjoy volunteering in my community, travel, golf, bridge and spending as much time as possible with two precious Granddaughters. Desk & Derrick has provided so much more than the education it initially promised. I am a proud and grateful member.
Maggi Franks, editor of ADDC Insight, recently elicited information to highlight clubs and regions involved in the realignment process for an upcoming issue of the Insight. As a 64-year member of Desk and Derrick, having joined in 1954, I am happy to share memories of the “early” days of the member club to which I belonged, including what I perceive to be recognition of a solid foundation for the basic purpose of the Association of Desk and Derrick Clubs. This stems from personal involvement as a Desk and Derrick member commencing when the Desk and Derrick Club of Little Egypt was affiliated in 1954 with the Association of Desk and Derrick Clubs of North America as one of the clubs in Region II, with twenty-four members. The first president of the club in 1954 was Doris Dulaney, and the last, in 2014, when the club disbanded, was Marsha Bundy. Upon affiliation, the membership of the Little Egypt Club grew steadily and in the early 60’s reached a peak of slightly less than 90 members. The Little Egypt Club from inception embraced the purpose put forth by the Association. Of special interest to the club was the Desk and Derrick Educational Trust created in 1982. The club took an active part in promoting ADDC and its purpose, and to evidence that fact, not only did it provide informative programs and field trips and act as a public relations representative for the industry in the area, but also, the club was represented at every regional meeting and annual convention of the Association for the next sixty years after affiliation in 1954 until it disbanded in 2014.

The Little Egypt Club ultimately found it necessary to surrender its charter; however, for well over a half-century the club and its members had a role in furthering the purpose for which the Association had been founded. The club had its share of representation on the Association board – regional directors, association secretaries and treasurers, vice presidents, and association presidents – not to mention service on myriad association committees as representatives from Region II. As a historical note, the ADDC annual convention held in Houston in 1961 was the last convention at which the first ten Association presidents were present as a group and it was an honor for me to be included with that group at the convention, having been elected to serve as eleventh Association President for the year 1962.

Region II quickly affiliated seventeen clubs throughout the area within the boundaries of the region, although it was not until 1958 that a regional meeting was held for the Region II clubs. That first meeting in Indianapolis was chaired by Regional Director Lucille Barthlow, a member of the Central Michigan club, and in 1959, it was my honor, as Region II Director, to chair the second regional meeting held in Louisville, with all Region II clubs being represented.

Regrettably, with realignment, the Region II clubs will merge into Region I. My pride in the historical contributions of the Desk and Derrick Club of Little Egypt continues, and having transferred my membership to the Heartland Club, I will remain a concerned Desk and Derrick member even though personal involvement in the petroleum industry has lessened.

To briefly review the achievements of the Little Egypt Club has caused me to become reflective on the Association and its role in the energy industry, past and present. With formation of the Association in 1951, there was a distinct desire for the membership, women employees, to learn more about the industry and to better serve what was a vital segment of the environment. It was a thirst for knowledge to benefit the individual, the employer, and the industry as a whole, not dictated by an urgency for gender equality. The proclaimed desire not only was accomplished but also it earned the respect and support of the industry. Now the world, the environment, and the energy industry have changed immeasurably. It behooves the Association to develop a membership base of involved energy personnel who will continue as public relations representatives on behalf of the industry and also promote a quest for knowledge about the complexities of the industry. There still is much to accomplish.
The Oil And Gas Situation: Four Big Factors Influence U.S. Oil Markets

May 14, 2018 @ 10:06 AM 3,834 The Little Black Book of Billionaire Secrets David Blackmon

The Silver Cindy tanker sails out of the Citgo Refinery dock bound for Mexico with a load of gasoline at the Port of Corpus Christi in Corpus Christi, Texas, U.S. Photographer: Eddie Seal/Bloomberg

Here are four big factors influencing the domestic oil and gas industry as the week begins:

**The rig count continues to escalate steadily.** The DrillingInfo daily rig count sits at 1105 as of May 13, up 25 from two weeks before. This is not surprising at all - crude oil prices remain strong, making an increasing population of potential drilling projects economic to drill. More than 80% of those rigs are drilling oil wells, and over half of them are doing it within the state of Texas. Again, no surprise, given that the preponderance of the vast Permian Basin lies within the state.

We should expect the rig count to continue to rise at least through the end of June, at which point company drilling budgets for the second half of the year will kick in. We'll have to wait to see what happens after that, although if the strong price environment prevails it is reasonable to expect continued steady increases through the end of 2018.

**The oil price didn't rocket up after President Trump's Iran announcement.** In fact, the opening WTI price on Monday morning was about a dollar below its level when the announcement was made. Obviously, the market had already priced the President's decision into its collective hive mind. No surprise there.

That having been said, the major factors that influence crude prices do appear to agitate in favor of further increases in the coming months. Demand growth remains strong, declining inventories globally indicate that the four-year global surplus has pretty much gone away. A new OPEC reports indicates that "oil inventories in developed nations in March fell to 9 million barrels above the five-year average. That's down from 340 million barrels above the average in January 2017."

The same OPEC report also notes that the cartel possesses plenty of spare capacity to step in and stabilize the market should a dramatic drop in Iran's oil supply ultimately come about: "OPEC, as always, stands ready to support oil market stability, together with non-OPEC oil producing nations participating in the Declaration of Cooperation." OPEC's export limitation agreement with Russia is set to continue through at least the end of 2018, and that, along with these other factors, agitates in favor of crude prices ending the year slightly higher than their present levels.

A widening Permian price differential could send capital to other U.S. basins during the second half of the year. Deepening pipeline constraints are making it harder and harder for Permian producers to get their product out of the Basin to market, especially those who do not own reserved capacity on the increasingly strained pipeline system. The Wall Street Journal reported on May 10 that some companies are experiencing as much as a $10/bbl differential as a result.

While drilling budgets for most producers are set through the end of June, this increasingly constrained situation could result in companies that produce in multiple basins shifting some of their drilling capital to non-Permian regions during the second half of the year and into 2019. The Eagle Ford Shale, DJ Basin and Bakken Shale would be the most likely beneficiaries of such a re-directing of capital. The per-well economics in these other basins may not measure up to those in the Permian, all other factors being equal, but the differential blowout for some Permian producers means all other factors aren't equal at this point. This situation is likely to persist into 2019, when a raft of new pipeline buildouts are scheduled to come online.

**The growing U.S. refinery/production mis-match means America's crude exports will keep rising.** The U.S. Energy Information Administration reports that exports of domestic crude topped 2 million barrels of oil per day (bopd) in April, a whopping rise of 489,000 bopd from March, and 210,00 bopd higher than the previous record set in October 2017.

U.S. refiners set up mainly to process mid-gravity or heavy crude coming in from other countries simply lack the capacity to refine all of the light, sweet crude flooding out of the nation's shale basins. The fact that the oil has to be refined somewhere and that producers are often able to command higher prices by exporting their product, along with ongoing expansion of export capacity at the Port of Corpus Christi and other Gulf Coast ports mean that we can expect to see the U.S. become an even bigger player in the crude export market in coming years.

All in all, 2018 is a very healthy and expansive time to be engaged in the oil and gas business in the United States. Follow me on Twitter at @GDBlackmon Read my daily updates at DBDailyUpdate.com
**Impostor Syndrome- 6/08/18**

This past week, I finished a three-year Entrepreneurial Masters Program (EMP) alongside 65 incredible classmates from 30 different countries around the world.

Our keynote speaker on the second day had graduated from the program ten years ago and had returned to speak to our class. In her presentation, she shared that during her first year at EMP, she chose to sit in the back of the room because she was intimidated about being there.

A single mom with two kids, she started her jewelry business in 2002 out of her spare bedroom with only $500. During her first year as an EMP student, her business was doing about $2M in revenue, which was near the bottom of what other attendees in the class were generating from their businesses.

When one of the facilitators spoke of the successful entrepreneurs who had gone through this program and the likelihood of someone in the class going on to build a $1B company, she felt even more out of her league.

What she was experiencing is referred to as “Impostor Syndrome,” a psychological phenomenon shared by many high achievers who are convinced they’re inadequate or have a persistent fear of being exposed as a “fraud.” For example, in an interview about winning an Academy Award for “The Accused” in 1988, actress Jody Foster said, “I thought it was a big fluke. I thought everybody would find out, and then they’d take the Oscar back.”

Some psychologists say that Impostor Syndrome is most common in high-achieving women and those who feel different from the majority of their colleagues or underrepresented (people of color, LGBTQ, etc.).

The irony is that Impostor Syndrome tends to impact people who have worked incredibly hard to earn their success, as opposed to those who take the “fake it until they make it” approach or rely on connections or inherited wealth to attain higher rungs. Our keynote speaker was a perfect example of this. A determined, hard-working single mom, she fought through her Impostor Syndrome and realized her entrepreneurial dream.

That speaker’s name? Kendra Scott, founder and CEO of her namesake jewelry company, an enterprise with over 75 stores. Recently, her eponymous company was valued at over $1B as part of its latest investment.

Kendra Scott’s formula for success is largely the result of having grit, a clear vision, resiliency and going against conventional wisdom at every turn.

If, after reading this, you recognize that you’re experiencing Impostor Syndrome in your own life, rest assured that your biggest opportunity may come from leaning into the unconventional path/thinking that got you to where you are today. It’s very likely that you see things a bit differently from those who played it safe, took the predictable route or who benefited most from good luck and timing but chose to give themselves full credit.

Impostor Syndrome can be a strength if you recognize it and you can use those feelings to stay hungry for growth and high achievement, yet remain humble with success. Don’t assume the people around you know more or deserve their position more; they often just have more confidence. If you act like you belong, soon you will. And humble confidence beats overconfidence almost every time.

**Quote of the Week**

“I have written 11 books but each time I think ‘Uh-oh, they’re going to find out now. I’ve run a game on everybody, and they’re going to find me out.’” - Maya Angelou (nominated for the Pulitzer Prize and a Tony award, won five Grammys for her spoken recordings, and served on two presidential committees)

Have a great weekend!

Robert Glazer  
Founder & CEO, *Acceleration Partners* follow me

If you liked this message, the greatest compliment you can pay is to share or sign-up at [www.fridayfwd.com](http://www.fridayfwd.com) and my info at [www.robertglazer.com](http://www.robertglazer.com)
Hello Members! It’s hard to believe we are half way through the year. The regions are getting prepared for their mail votes for their new Region Directors and by-laws. While a little sad, it’s also an exciting time and a change that will help cut a lot of cost. I hope you all have had a chance to review the business plan and have chosen where you can help ADDC and given your ideas and feedback to your board.

I hope your Summer is off to a great start and you have lots of adventures and fun planned. Enjoy the spotlight on Jean Campbell of the Abilene Club.

Andrea McGarrah
Region V Director

Member Interview
Jean Campbell

Introduction:

I have been a member of Desk and Derrick about a year and a half, after being asked to make a lunch presentation about two years ago. I had presented to the club about 25 years ago about a rig blowout and fire, but hadn’t realized this club could be “for me”. At the meeting in 2016, I saw several members I had known for many years—Audra Horton and Betty Carter—and met others who work for companies my employer did business with, or with whom I was familiar. Having been a member of AAPG and the Abilene Geological Society for about 35 years, which I’ve greatly enjoyed, I was refreshed to be with a group of women where I could visit and relate a bit differently. Although I’ve enjoyed the many meetings, conventions, and courses with the other, largely male, associations, this felt like it would provide some benefits I had not had. At the end of the meeting, I was encouraged to attend the next meeting and join the group! While I think they would have welcomed me at any time in the past, I had never been purposefully invited to join, and now sitting in a meeting I realized I could fit!

So far, I’ve attended 2 Regional meetings and see those as very worthwhile, educational, and a good opportunity to meet others.

My work history has consisted of 17 years as a geologist, working in Dallas, then in Abilene, first doing geo-tech work, then exploration, some consulting, working for a large drilling company evaluating prospects and managing production, and occasional field work. Then during a downturn, I left the industry and worked in private Christian education for 14 years, keeping up my memberships, continuing education, and Texas Geoscientist license. In 2014, I returned to oil and gas, just in time for the recent downturn, and worked 2-1/2 years before being laid off. Since then, I’ve been doing some part-time consulting and helping my husband with our growing business selling and renting shipping containers.

This year I’m the field trip committee person for our Abilene ADDC club, and was just re-installed as the Abilene Geological Society President (which I also did about 22 years ago). I’ve held 3 of the 4 AGS offices. And this year, I’m rolling off as Chair and Co-Chair of the Continuing Education Committee of the Southwest Section of the AAPG. I have also enjoyed talking to school kids about the earth, geology, rocks, earth’s cycles, and leading a few school field trips for about 15 years. The creation I see daily on our earth and how all its systems work together still amazes me!
Greatest D&D Moment:

During 2017 I attended the field trip for the Region V meeting in San Angelo and a local field trip near Merkel where we witnessed a live pipeline repair and got to visit and eat lunch with the crews, and I realized I was getting more affordable quality field trips and a wider-based educational exposure than I had been getting through the other groups I was in! A few months back, I needed some local knowledge about oil activity in an area far from Abilene, and was told I should call a D and D member who works there and ask if she could help me! It was someone I didn’t know, but she was kind, friendly, and offered to help to the best of her knowledge—what a benefit!

Biggest D & D Goal:

I really like the motto “Greater Knowledge – Greater Service”. I love learning things that are practical and things I can share. I hope our Abilene club can increase its membership and help others—both children and adults—learn more about petroleum and other forms of energy. Affordable energy is the difference between well-developed countries with a diversified GDP like the US, and those with tremendous poverty. To understand possibilities for development, growth, and change, we have to have knowledge, and it must be truth-based, not just generated by groups looking to benefit by pushing false data.

What do you want D & D to be:

I want to see Desk and Derrick grow, and hope that more men will choose to join as well. While I can’t speak historically, it seems that much of the organization’s time now is spent solving problems and focusing on business issues, rather than on learning and growing. I’d like to see more efficient communication between leadership levels, and increased focus on ways to grow and learning activities.

What will you do to create that D & D:

I hope to find and help facilitate more learning opportunities for our Abilene club. It already does a great job co-sponsoring an annual golf tournament that funds student scholarships, and helping the Abilene Geological Society. I also want to encourage more local geologists to become members.

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Notes from the Former Olney Club

The Olney Chapter of the Desk and Derrick Club of the Wabash Valley held its organizational meeting on May 10, 1955. Officers elected were:

- **President:** Mrs. Pan Hawkins, partner in General Oilfield Supply
- **Vice-President:** Miss Genelle Quick, Secretary and Office Clerk in the Credit Department of National Supply Co.
- **Recording Secretary:** Mrs. Cecile Hudachko, Stenographer with General Oilfield Supply
- **Corresponding Secretary:** Miss Anna Mae Crum, District Clerk for Lane-Wells Co.
- **Treasurer:** Mrs. Peggy Briggs, Bookkeeper in the Accounting Department of Calvert Drilling, Inc.

Nate Davies, an Independent Geologist & Producer of Noble, Illinois gave an enlightening talk on finding the “good, green grease”. Meetings were to be held on the second Tuesday of each month at the Olney Petroleum Club. The Desk and Derrick Club of Olney, Illinois received its charter on June 30, 1955 with 18 members. It was the 104th Club to be chartered. Catherine A. Connell was Region II Director at the time and worked for The Texas Company in Chicago, Illinois.

The Olney Club helped with the Petroleum Club of Olney’s annual picnic in July each year. In exchange for helping with their fundraiser and golf outing, we were allowed to have our own fundraiser which was always well supported by their members and guests.

We also had a booth at the Illinois Oil & Gas Association’s annual meeting and trade show in Evansville, IN, where we shared information about ADDC with attendees and shared a half pot fundraiser with the Tri-State Club.

One of our most memorable projects was raising money to help with the painting of an oil derrick at Olney Central College in July 2009. The derrick, one of about six owned by Texaco that were in storage and no longer in use, was relocated from the Salem, IL area. It was erected in October 1989 on the OCC property as a tribute to the local oil industry. The derrick and site were part of 13.5 acres and 50-room building donated by Pure Oil Company to Illinois Eastern Community Colleges. The city had entered into a lease agreement in 1988 with Illinois Eastern Community Colleges, which owns the land under the derrick. The lease lapsed on June 1, 2008. Under the lease the city was responsible for maintenance of the derrick. The lease was renewable, but the city stated that estimated costs to repair and repaint the derrick were too expensive, so the options were to get help to maintain the derrick or dismantle it. In the fall of 2008, the City of Olney approached the Olney club for help with raising the cost of painting the derrick. The Olney Club raised $13,620 and the city provided the rest of the money. Another $5,000 was raised to help provide landscaping and halogen lighting at the derrick.

In recent years, the club also donated Energy Activity Books to the schools in Flora and Olney as part of Desk and Derrick Awareness Month.

With the decline of the oil industry in the area, membership declined to 13, with only about 6 active members and the Olney club regretfully decided to disband on December 31, 2017. Four members transferred their membership to the Tri-State Club at that time.
Amidst other projects and tasks, the ADO has been busy processing Convention registrations for those who are planning ahead for an awesome convention in Evansville, Indiana. Great field trips, seminars, and networking opportunities are available at the upcoming 2018 ADDC Convention and Educational Conference. Please visit the ADDC website or contact me for your registration packet. I can also answer any questions you may have regarding Convention. Online Convention Payment is again available for members, non-members, and guests. Please note that Online Convention Payment is in addition to completing and submitting the registration and emergency contact forms to the ADO.

New membership applications and membership renewals continue to trickle in and are being processed as quickly as possible. We have slightly exceeded our minimal membership goal for 2018 with 1,202 members! All Directories are current for 2018 membership renewals and re-applications for previous ADDC memberships that have been dormant for one or more years. However, any updates or corrections that you noted on your 2018 Membership Renewal form have not yet been processed. I am currently processing new membership applications so that these folks can gain access to the Members area of the Association website.

If you have an opportunity to have a presence at a chamber of commerce event, trade show, or the like, please let me know and I will make sure you have brochures to display and hand out to potential new members. Remember, ADDC membership is open to all individuals within the energy and allied industries as well as anyone interested in learning more about the energy industry. Working together, we will all be able to assure that the ADDC will continue to grow!

We continue to receive orders for the newly-published third edition of the Bit of Fun Energy Activity Book. It is a great educational tool for teaching the younger generation how oil and gas affects their lives. Keep those EAB orders coming!

We received several members’ orders for the first release of ADDC gear! Thanks so much and keep those ADDC Store orders coming!
The final Region I Meeting was a huge success! I am so thankful for the planning committee’s commitment to putting on a fantastic weekend and to the members that came to Findlay.

The Region I Award of Merit winners were recognized at the Saturday banquet and they include:

Best Small Bulletin
1st Place – Buckeye Energy News - Buckeye

Best Industry Article
1st Place – Top Executive Positions in Energy Field Lack Diversity – Buckeye

Best President’s Letter
1st Place – Club News – Buckeye
Tied for 2nd Place:
Conventioning – Three Rivers
Thanksgiving Blessings – Tuscarawas Valley

Best Desk and Derrick Article
1st Place – ADDC Convention “First Timer Thoughts & Takeaways – Buckeye

Best Industry Program
1st Place – Utopia Pipeline Project – Tuscarawas Valley
2nd Place – Autonomous Driving: Are You Ready? – Buckeye

Best Desk and Derrick Program
1st Place – Better Together – Tuscarawas Valley

Best Industry Field Trip
1st Place – Buckeye Members Tour Hancock Historical Museum and Transportation Annex – Buckeye
2nd Place – Ergon Refinery Field Trip – Tuscarawas Valley

Best Industry Photograph
1st Place – Niagara Power Vista Experience - Buckeye

Fourteen members of Three Rivers attended a refinery tour at Ergon – West Virginia Inc. in Newell, WV on Tuesday, April 24th. Ergon’s capacity is up to 23,500 barrels of crude oil through production daily. The crude oil is gathered from ~40,000 locations through Ohio, Pennsylvania, West Virginia, Kentucky and New York. Daniela Krawchyk organized the tour where the attendees were separated into 3 groups guided by an Ergon refinery employee. The guide(s) described how the crude is processed into numerous products; diesel, gasoline, Kerosene solvent, petroleum resin and wax. Each process had its own area with pipelines bringing the crude in then moving finished products out, along with staging areas.

Information provided by: Sherri Kolaja

Until next time, let your voices be heard!

Carrie
A First-Timers Thoughts on the Region I Meeting

My name is Craig Powell. My wife, Carol, and I belong to the Oil Heritage Desk and Derrick Club. From May 17 through May 19, 2018 we attended our first Region I Meeting and had a wonderful experience. The meeting was held in Findlay, Ohio. Findlay has a strong history in oil and gas development and is home to Marathon Petroleum Company. It is also home to the Buckeye Desk and Derrick Club which hosted the Region I Meeting. Between 40 and 50 D&D members attended and 6 of the 7 clubs in Region I were represented.

During the three day event we had several speakers on topics related to oil and gas. We attended a presentation describing the construction of an underground butane storage facility. We took a field trip to a company that sells, constructs and operates wind turbines. We visited a small solar energy project and conducted business sessions. Thursday evening we had an initial ice breaker to get to meet other attendees. Friday evening there was dinner and dancing and on Saturday evening we had the awards dinner and our final speaker.

While all the sessions were interesting, two stood out. The presentation at the Marathon Petroleum Company regarding the construction of the underground butane storage facility was given by the project manager who had worked with all phases of design, engineering, construction and completion of the project. The ability to go down over 600 feet and create a lattice work of tunnels in solid shale that will store over 1.4 million barrels of liquid butane is fascinating. The second outstanding visit was to a company that sells, constructs, and operates wind turbines. We saw a video of how the turbines are constructed and then had a chance to see the components of the wind turbine on the ground and visit a working unit. The main presenter here was an owner of the company. This was a great opportunity to ask questions and learn about turbines.

Overall, attending the Region I meeting was a great experience. The accommodations at the Findlay Inn were comfortable, the food was good, and the people were friendly. The talented and enthusiastic members of the Buckeye D&D Club were terrific hosts. It is obvious that Buckeye’s corporate partner, Marathon Petroleum, is a solid supporter of D&D. They provided facilities, speakers, and support at many levels. With all these resources available a good meeting was almost certain. However, I think the catalyst that made it so good was our Region I Director, Carrie Harmon. She did a great job running the sessions and made all feel welcome and included.

This is an experience I would recommend to all D&D members.
June 2018

I don’t know where the time has gone but it is certainly not standing still for any of us. We are now just about to say good bye to the first half of 2018. For those of us living in the southeast and along the coastal areas, we are saying hello to the 2018 hurricane season which officially begins on June 1st, and not with welcoming arms I might add. Although I must admit hurricanes know no boundaries, so it really doesn’t matter where you happen to live, there’s just no getting away from them. That being said, the best we can do is keep ourselves prepared. Following is a list of items to keep on hand, which will help us be prepared should the need arise:

- Enough water for each person to have 1 gallon a day for a two week period;
- Batteries for flash lights and radios;
- Medicine and/or prescriptions, enough so you don’t run out;
- A list of your insurance policy numbers, or actual policy if you have it;
- Canned foods (such as meats, beans, tuna, etc.) for at least two weeks;
- A safe route to evacuate should you be forced to do so:
- Have cash on hand as ATMs may not work;
- Keep your gas tank filled up and ready;
- And be in touch with family members – have a meeting place.

Have you received, printed out, and completed your registration form for ADDC in September? The forms are on the web if you haven’t done so yet, it’s not too early. Remember to review the amendments to the bylaws which will be discussed and voted on at ADDC – come prepared and ready to vote. Delegates, whether you are sent instructed or un instructed, know how your members feel about these amendments so they will be well represented. I’m sure by now you’ve gone over them at region meetings but you could always review prior to the convention.

The votes are in: **CONGRATULATIONS TO EVELYN MCCURLEY INGRAM, 2019 SOUTHEAST REGION DIRECTOR-ELECT.**

I wish each of you a safe, happy and relaxing summer. Remember school will be out – so will all children. Drive safely!!

Lastly, **HAPPY 69th ANNIVERSARY TO THE NEW ORLEANS CLUB. A TOAST TO YOUR PAST, PRESENT AND FUTURE!!!**

Carol Schiavone
Region III Director
Appalachian Geological Society Celebrates at its Annual Summer Social!

Geological Technician II at GreyLock Energy

This past Tuesday, June 19th the members of the Appalachian Geological Society held its summer social at the J.Q. Dickinson Salt-Works in Malden, WV.

Our fabulous duo: Secretary Emily Jordon and Treasurer Rachel Vass greeted everyone as they walked into the rustic interior of the salt-works and helped them get comfortable until everything was kicked off. There was an early and later tour of the salt-works where members listened to how seven generations of the Dickinson family carved a life out of harvesting salt from the ancient Iapetus Ocean trapped under the mountains of Appalachia.

Meanwhile Chef Paul Smith was busy with his staff in the kitchen preparing a farm to table feast.

We were happy to be joined by members of both the SPE and Desk and Derrick. We absolutely love having them celebrate with us!

Though it rained buckets outside there was no dampening the mood inside!

President Andrew Waggener gave a small but heartfelt speech thanking all that had served this past year and welcoming our new officers: Jim Templin of Core Appalachia as Vice President, Cynthia Stagg of Stagg Consultants as Secretary and Jason Smithson of Triana Energy as Treasurer. Joseph Cook will assume the role of President.

We appreciate the work Drew, Rachel and Emily have put in over the time they have spent with us and trust me when I say our society is better because of their efforts.

I also want to thank Computerized Muddlogging for helping with a generous donation that helped make the evening possible.

We look forward to seeing all our friends again in September but for now we will enjoy the summer and the memories of a great night together.
# Association of Desk and Derrick Clubs

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Jane Lew, West Virgin-
The 61st Region II Meeting held at the Otsego Club and Resort in Gaylord, Michigan was a huge success! My deepest gratitude goes to the Bay Area Desk and Derrick Club for all their time and effort in planning and putting together an educational and memorable meeting for all of us to enjoy.

We had five members and one guest complete the Accounting Certification Class on Thursday while the rest of the members enjoyed three back-to-back seminars. Erin McDonough, President of the Michigan Oil and Gas Association introduced us to the Michigan Natural Resources Trust Fund and how the oil and gas resources in the State of Michigan are being used to benefit the state through their park districts and other projects. Tim Brock, a professional engineering consultant, spoke about natural gas storage in Michigan. He has also been working to educate others about natural gas storage. Jeffrey Smetzer, founding partner and President of NuEnergy Operating, Inc., spoke about drilling and gave us a history lesson about the State of Michigan. He was very interesting and entertaining! Each speaker was very informative on their subject and did a great job presenting their topic. That evening we celebrated "Alpenfest in April" and a good time was had by all!

We boarded a trolley on Friday morning for a field trip to the Wolverine Alpine Power Plant. Alpine is the largest and most efficient power generator in northern Michigan. It is fueled by natural gas, a clean, reliable and affordable alternative to coal, and generates power for its 120,000 member households across the state. We then ventured to the Enbridge Line 5 Facility. The Enbridge Line 5 is a 645 mile, 30 inch diameter pipeline that travels through Michigan's Upper and Lower Peninsulas, originating in Superior, Wisconsin and terminating in Sarnia, Ontario, Canada. Products moved on the Line 5 heat homes and businesses, fuel vehicles, and power industry. I believe the tour guides on both field trips got more than they bargained for with the Region II group! We had lots of questions for them to answer and I believe they were surprised by our knowledge within our industry. We also stopped by The Cross in the Woods in Indiana River and the Seasons of the North Winery.

The Business Meeting was held on Saturday morning followed by the Awards Luncheon. We were excited to have Christina Forth, 2018 ADDC President, in attendance as our special guest speaker. She encouraged us to work together as a team and build the Association. Regional contest winners were announced with the first place winners advancing to the Association level where the AIMEE winners will be announced at the 2018 ADDC Convention in Evansville, Indiana, in September. Now is a great time to start working on articles for next year's contest!

The 2018 ADDC Convention registration packet is now available on the ADDC website. If you haven’t gotten your registration mailed, please do so as soon as possible.

**ADDC Motto - "Greater Knowledge - Greater Service"**
Happy Summer!! I think it is officially here!

I will be making my way around the Region over the next few months. So I look forward to seeing all of you very soon!

Right now, I am focused on 2 things for our Region. The first is getting all of the voting information out to you so we can secure our Central Region Director for 2019 and move forward with the new format. The second is working on the 2019 Convention. We have sent the hotel contract out to all of the Presidents to review and provide feedback. We will be finalizing this and sending it out for everyone’s information ASAP. We are also beginning to put all of the details into the budget and get things solidified. A huge help right now would to start collecting sponsors in your areas that would be willing to donate or sponsor an event. We plan to make this the very best yet!

**Name:** Dorothy Lenhart  
**Current City:** Tulsa, OK  
**Home Club:** Tulsa, OK  
**Office(s) Served:** 2013 President, Director, Parliamentarian, Club Website Designer and Administrator  
**Year Joined ADDC:** 2008  
**Current Job:** Retired Geological Technician

**A little bit about you:** I was born in New York, in a small coastal town on Long Island. My father worked for Cities Service Oil and Gas and was transferred to Tulsa when the company moved their headquarters from Manhattan to the "Oil Capital of the World". I came along - at age sixteen - kicking and screaming the whole way! At the time, I didn't even know where Oklahoma WAS, but Tulsa has since become home.

I worked in the oil and gas industry for more than forty years, with some time off when my daughter was young. My experiences with Desk and Derrick have greatly broadened my views and understanding of this complex and ever-changing industry. I've often wished that I had been exposed to all that knowledge much earlier in my career!

Since my retirement in 2015, I’ve been able to devote more time to my hobbies of pottery, jewelry making, crocheting, and reading. I’ve always told my grandchildren (I have five) that my hobbies 'keep me out of the pool hall'. When one of my grandsons was a teenager, he said, "Gran, I don’t think you’ve ever been to a pool hall". My reply: "See? It WORKS!"

I love to travel, and last year made my very first trip to Europe. I’ve been on five cruises; on the first two I traveled alone! This summer I will be traveling by RV to South Dakota, Wyoming and Colorado, with a second RV trip to New Orleans and along the Gulf Coast to Florida; fun trips with my long-time friend John and a great-granddaughter on each adventure.

My greatest joy is my four great-grandchildren, with another one on the way, due to arrive in September! What a blessing to have great-grandchildren to love, play with, teach, and from whom I learn much about life.

**Fun Fact:** "Val" is short for Valentine, which was my birth surname  
**Goals for 2018:** Eat, Pray, Love (and Travel)  
**Leave us with a quote or a bit of advice:** "Happiness isn’t something you experience; it's something you remember" - Oscar Levant
June 2018

Even though the official day of summer is in June, Memorial Day Weekend always feels like the beginning of summer to me. It is a day to honor and remember all those fallen heroes that gave the ultimate sacrifice, so that we can have the freedoms we so much enjoy today. Thank you to all the service men and women for their service. I hope everyone has a wonderful Memorial Day Holiday Weekend.

Summer is just three short months and convention in September, in Evansville, Indiana, is right around the corner and will be here before we know it! The deadline for registration is August 1, 2018 and is at the Double Tree by Hilton. The date of Convention is September 17 - 21, 2018. The registration packet is now available on the ADDC website - easy to find. The certification class this year is “Completion and Production” and there are numerous seminars and field trips to choose from. I have made my plane reservations and paid my registration for convention, now it’s your turn. Plan on attending this exciting and eventfully opportunity hosted by Region II Desk and Derrick Clubs – Bay Area Club, Heartland-So Illinois Club and Tri-State Club. Come out and support and attend all their hard work they have put into giving the ADDC a successful convention!!!

It is never too early to volunteer for a committee on the ADDC level or the Region Level. Our ADDC 2018 President-Elect, Terry Ligon, spoke at Region IV Meeting for the need of volunteers for 2019. If you are interested in being a committee chairperson or a region representative, you can obtain information from your club President or from me. This is a terrific way to see the many sides of our organization. Also, ADDC Officer Nomination forms for the Executive Board are due by June 8th, if anyone is interested. These nominations are to be mailed to Lori Landry, the Nominating Committee Chair.

To “highlight” one of Region IV Presidents, this month, I have chosen Cindy Miller, the Victoria Club President. Cindy has given yeas of service for her club there in Victoria. She works tirelessly to get knowledgeable speakers from the oil and gas industry as well as vendors that service the industry. They are a small club but mighty in stature. Cindy has been a member of the Victoria Club for the last 14 years. She has served as President 4 times, been on several Region Committees as Region Representative and Chairman and severed as Region IV Director in 2015. This year she is also serving as Membership Committee Region Representative. One of Cindy’s passions and one that she has gotten the Victoria Club involved in, is working with Warriors Weekend to sell flags that are posted at the Field of Honor. These flags honor Men and Women that are currently in or are vets of the armed forces. She is married to John, who is currently serving as Justice of the Peace for Victoria County and together they have 4 children and 5 grandchildren. When Cindy has “spare time”, she spends her time fishing and just being with family, friends and her loving animals Dagwood the cat and Elliot their dog.

Happy Father’s Day to all the Dad’s out there too!

Sue Weaver

“ We owe this freedom of choice and action to those men and women in uniform who have served this nation and its interest in time of need. In particular, we are forever indebted to those who have given their lives that we might be free.” ~ Ronald Reagan
Energy Department Prepares New Plan to Prop Up Nuclear, Coal-Fired Power Plants

Trump administration officials cite grid-reliability issue; opponents say plan undermines competitive markets

June 1, 2018 3:55 p.m. ET

A FirstEnergy coal-fired power plant in Shippingport, Pa. The Trump administration is putting together a new plan to aid failing nuclear and coal-fired power plants. June 1, 2018 3:55 p.m. ET

WASHINGTON—The Energy Department is proposing a new plan to bail out failing nuclear and coal-fired power plants by forcing grid operators to take the electricity they produce, a move that could upend competitive power markets and raise prices for consumers.

The plan—a draft now under White House review—isn’t the first attempt by President Donald Trump’s administration to help coal and nuclear businesses. Its goal is to stop a wave of plant closings for two years while the Energy Department studies which plants nationwide are critical to ensuring reliable power in case of attack or natural disaster. Administration officials say grid reliability is a national security issue.

A boom in natural gas production and renewable power have lowered prices and forced coal and nuclear competitors out of business, a trend Mr. Trump has promised to slow. He pledged during his presidential campaign to help coal miners in particular, and he received millions of dollars in campaign donations from coal-company executives. In recent months, he has prodded Energy Secretary Rick Perry on several occasions to craft a solution, and did so again in a statement Friday.

“Unfortunately, impending retirements of fuel-secure power facilities are leading to a rapid depletion of a critical part of our nation’s energy mix, and impacting the resilience of our power grid,” Sarah Sanders, the White House press secretary, said in a statement, adding that the president wants Mr. Perry “to prepare immediate steps” in response. Mr. Trump’s efforts so far have been blocked by the Federal Energy Regulatory Commission and fought by a broad coalition of opponents.

The country’s largest grid operator is also skeptical. “Our analysis...has determined that there is no immediate threat to system reliability,” PJM Interconnection LLC, which runs the power markets in 13 states across the mid-Atlantic and Midwest, said in a statement. “There is no need for any such drastic action.”

The administration came under pressure to help this spring when Ohio-based utility FirstEnergy Corp.’s fleet of coal- and nuclear-power plants filed for bankruptcy and asked the Energy Department for emergency intervention. Opponents say these types of plans undermine the competition in power markets that has lowered prices and that they could raise consumer costs by billions of dollars in an attempt to fight a problem that may not materialize. Those groups, including consumer advocates, the oil-and-gas lobby and renewable power companies, said Friday the newest proposal creates the same concerns.

“The Administration’s plan to federalize the electric power system is an exercise in crony capitalism taken solely for the benefit of a bankrupt power plant owner and its coal supplier,” said Malcolm Woolf, who oversees policy at Advanced Energy Economy, a trade group representing business consumers.

The administration’s newest proposal is in a 40-page memo obtained by The Wall Street Journal and first reported on Thursday by Bloomberg. The memo is dated May 29 and labeled as a draft addendum to a larger package submitted to the National Security Council. The council is working with the Energy Department on new policies to help the nuclear and coal-power industries, and it isn’t clear when they might finish a plan or how many other options are under consideration.

Most of the memo outlines potential risks to the grid and lays out a legal rationale for the plan. It doesn’t specify how the obligation for consumers to buy power from mandated, often more-expensive suppliers would work. While the draft starts by saying the country’s power grid has no reliability problem today, its proposal relies on a lightly used 83-year-old law designed for emergencies and a defense law designed for times of war and catastrophe.

The department will establish a “Strategic Electric Generation Reserve” and list plants it needs to support to prevent further closings, the memo says. It also says the department will order grid operators to buy or arrange purchases from those plants or order plants in regions without a grid operator to simply keep running under the terms of their existing or recent contracts.

“This action is essential in order to protect the resiliency and reliability of our nation’s electric power grids,” said Robert Murray, a Trump donor and controlling owner of Murray Energy Corp., a coal company and supplier to FirstEnergy.

Write to Timothy Puko at tim.puko@wsj.com
City Utilities of Springfield soon could increase its renewable energy power by adding a second solar farm at the Springfield-Branson National Airport.

The utility and the airport reached an agreement Thursday to study the feasibility of building a solar farm on 30 acres near the entrance of the airport, said Joel Alexander, CU spokesman. A request for proposals for a firm to construct and operate the solar farm is forthcoming.

The potential 30-acre solar farm would have the capacity for approximately 3 megawatts of energy, Alexander said. The current solar farm has an output of 4.95 megawatts and consists of nearly 22,000 solar panels.

The additional benefit of placing a solar farm at the airport is the visibility it would bring to the city's commitment to renewable energy, Alexander said, because airports are a "gateway to a community" for visitors.

He said there is no timeline for adding the solar farm and that the project is in the preliminary phase. Strata Solar owns, operates and maintains CU's first solar farm on roughly 40 acres along Farm Road 112, just east of Springfield. CU owns the land on which the farm sits, but purchases energy from the farm through a purchase power agreement, Alexander said.

An individual photographs a wind turbine during a September 2016 tour of a wind farm in Blackwell, Oklahoma. City Utilities purchases power generated by the turbines. That is the same practice CU wants to use at the second solar farm. The solicitation will ask for interested providers to build or relocate to Springfield.

With Strata, the utility has the option to buy the equipment at the current farm in the next three years, but CU has not determined whether it will purchase it or not, Alexander said.

"It could be something we're interested in," he said. "We're happy with what the solar farm is doing. It's a good addition to have in our portfolio."

CU plans to add more wind energy from a wind project in Salina, Kansas, in early 2019. With that added resource, the utility's total renewable energy portfolio rises to about 40 percent of CU's demand for electricity.

"Compared to where we were just a few years ago, it's a phenomenal difference," Alexander said.

In addition to solar and wind energy, CU converts methane gas produced by Springfield's landfill to electricity. The utility also employs hydroelectric energy.
From the June Graham Jet Jotter

D & D KINDNESS PROJECT

Did you speak with kindness this month? It’s so much easier to get your point across and people hear you when you use kind words. I was thinking this morning about the Food Truck Championship that was held this past Saturday on the Square and how much work went into it. So many volunteers were needed to make that thing run! So much planning and work went into the event. It reminded me of how much work went into our hosting the Region Meeting in April. I wondered how many people stopped to thank those volunteers for all they were doing and thanked those that planned everything? I know I heard lots of good comments and how well run our Region Meeting was, but did we thank all those members that put in so much time making it a success? I want to thank those members that put their time into making the meeting a success! And I want to thank each of you for being members of our club and doing what you can when you can to make our club great.

Here’s your kindness challenge for this month. When you attend something thank those involved for their work. It could be big or small, something everyday or a main event. Whatever you do say thank you! That’s kindness!
About Our Association

MOTTO
Greater Knowledge—Greater Service

PURPOSE
The Association of Desk and Derrick Clubs (ADDC), an international non-profit organization, is a premier provider of energy education and professional development. ADDC’s purpose shall be to promote the education and professional development of individuals employed in or affiliated with the petroleum, energy and allied industries, and to educate the general public about these industries as well as the companies and global communities the members serve.

MISSION STATEMENT
Our mission is to enhance and foster a positive image to the global community by promoting the contribution of the petroleum, energy, and allied industries through education by using all resources available.

2018 ADDC Board of Directors

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