Feature: Powder River Basin seems poised for an oil and gas comeback despite some drawbacks

in Oil & Companies News 29/08/2018

Wyoming’s Powder River Basin appears on the verge of a comeback as companies unveil plans to use horizontal drilling to further develop the play’s oil and gas resources. Even as some of industry’s biggest operators have shown interest in the basin recently, some of its key financial metrics appear lower on average than other areas, and experts project only a modest rise in oil production over the next five years.

So what is the draw for some of industry’s biggest independent producers? For one thing, the PRB offers “optionality” at a time when the giant Permian Basin in West Texas and New Mexico is struggling to provide enough output takeaway capacity, S&P Global Platts Analytics analyst Matt Andre said.

“While some of the other major plays are dealing with constraints and rising differentials, the [PRB] has benefited from favorable well economics along with the promise of expanding infrastructure (in the future),” Andre said.

“It’s not quite the Permian, but you don’t run into the oil price differential issues and land costs of the Permian, either,” he said.

Also, the PRB has a high oil production mix, with companies citing 60%-80%, strong initial well production rates and low acreage costs, he added. For example, Anadarko Petroleum recently said it has established a core PRB position of 300,000 gross acres at $2,500/acre.

In addition, some producers “actually compare the [PRB’s] economics to the Permian” which are at or near the top of US plays, Andre said. “Realistically that is probably only the top wells, but it is still interesting.” (continued page 2)
TESTS FOR UNCONVENTIONAL POTENTIAL SHOwed PROMISE
The PRB produced oil and gas conventionally for years. After industry began applying unconventional production techniques to oil basins early this decade, operators began testing PRB’s multistacked horizons when oil was still in the $90s-$100s/b. After a promising start, the play lost steam as oil prices fell to half those levels in early 2015. These days, the PRB has resurfaced following three years of low crude prices and modest activity, and oil production is growing steadily if modestly. Basin oil output now is 123,000 b/d, up from 83,000 b/d at end-2016 and early 2017, according to S&P Global Platts Analytics. The play began 2018 producing around 108,000 b/d. “The Powder River Basin had its coming-out party in Q2 2018 with EOG Resources, ... Anadarko Petroleum and Chesapeake Energy all unveiling a renewed interest in the play,” Jefferies analyst Mark Lear said in a recent investor note. Even so, the basin’s financial metrics are lower than some other proven plays. According to Platts’ Well Economics Analyzer, the PRB’s breakeven oil price is $45.92/b compared to a roughly $31/b average in the Permian and $34.52/b in the Eagle Ford Shale of South Texas. PRB internal return rates are lower too, averaging around 20% compared to 41%-42% for the Permian, 46% for the Eagle Ford and 49% for the Bakken Shale in North Dakota and Montana, according to Platts. But PRB oil production is not expected to rise spectacularly: Platts projects 193,000 b/d by the end of 2023, up 57% from the current level. That figure assumes current drilling activity holds constant, which Platts calls a likely “conservative” estimate when compared to the growth trend this year.

The PRB’s core is sited in eastern Wyoming’s Campbell and Converse counties. EOG also has acreage in Johnson County, adjacent and to the west.

BASIN HAS A NEARLY MILE-DEEP PAY COLUMN
As is true of the western Permian, the PRB is “prolific,” with almost a mile-deep column of pay and multiple targets, David Trice, EOG’s executive vice president for exploration and production, said during the company’s Q2 call. EOG executives on the call unveiled two geological formations, the Mowry and the Niobrara, as viable within the PRB. The company operates a two-rig program in the basin this year, and will complete 45 net wells, an activity level that will ramp up in 2019 with output impact later that year and 2020, Trice said.

Lance Terveen, EOG’s senior vice president of marketing, called PRB oil takeaway “plentiful,” with both Casper and Guernsey hubs supplying access to multiple local refining markets and also Salt Lake City and Denver. Also, Tallgrass Energy Partners and Silver Creek Midstream created a joint venture in February to build the Iron Horse pipeline, which will deliver 100,000 b/d of crude from the basin to Guernsey, Wyoming. There it will connect to the Pony Express Pipeline that eventually lands in Cushing, Oklahoma.

Iron Horse, slated to start up in February 2019, is expandable to 200,000 b/d. “We are studying all options, even the potential to move barrels to the Gulf Coast,” Terveen said. “We currently anticipate the local market dynamics for oil and condensate to remain strong into 2019 [and] are working on solutions for longer-term gathering and oil terminal infrastructure.” Devon is running a lone PRB rig, but plans to pick up a second later this year and add two more beyond that. Tony Vaughn, Devon’s chief operating officer, singled out the Turner formation in the company’s Q2 call as the company’s main resource opportunity “that will drive a lot of [our] pace of activity” in the PRB, although the company has also drilled other intervals such as the shallower-depth Parkman and Teapot. Anadarko is also focused on the Turner, where some of its wells showed initial outputs of more than 2,000 b/d of oil equivalent each, company CEO Al Walker said — a relatively high rate. Chesapeake, which likewise has zoomed in on the Turner, has five rigs in the basin and may add a sixth next year, when its PRB oil production (8,000 b/d in Q2) should double.

The PRB was “never far off the radar screen,” Jefferies’ Lear said, noting many large operators kept active there in recent years albeit at a smaller scale than now. But “with other US onshore plays hampered by infrastructure constraints and showing signs of maturity and lower productivity, now was as good a time as any to introduce a new play to the mix.”

Source: Platts
Good Afternoon, Membership.

It seems the summer has passed; the temperature is a realization of that fact. Wishing everyone had time to enjoy a bit of our summer.

This month has been mostly about planning for convention. Thank you to those members who have stepped up to help. I would like to thank Region II for their hard work in getting ready for your visit. We currently are at 160 members registered today and can’t wait to see all of you in Evansville. Thank you to everyone who has helped with a report, an invocation, an introduction, a planned field trip, seminars, it is a lot of work, and wanted to send out as many Thank Yous as I can.

We are working on bringing back the Energy Person of the Year award. More details are to come. We were hoping to have this done for convention, but time caught up to us. We are also working on a membership survey. Please be on the lookout for this, as it will happen just shortly after convention.

Social media is still going strong, please sign up under the ADDC face book to get more information. Find us on LinkedIn or Twitter. Advertising team is still working strong and will have a write up for this insight. Please take some time and read about it. The ADDC Store is also working on another order coming up. Please be on the lookout for these details as well. The board has been working hard on reviewing upcoming conventions. Planning for 2021, more details to be announced a convention. We have a lot going on this year, and thank you for your support.

I wish everyone safe travels, who is attending convention. See you soon! If you are not attending convention but want to reach out to me, please feel free to do so. I am reachable by email or phone all the time.

Christina Forth
President

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September 2018
Hello All!

Convention month is upon us and I cannot wait to gather with all of ADDC friends for a lot of learning and a lot of fun! I hope you have sent in your registration and credentials, if not, please do so ASAP! I am excited to see where this organization is headed and meeting annually to discuss those opportunities is vital and so much fun, so I hope to see you there!

Many of you are in the process of creating your nomination slates for the 2019 officers. I want to encourage each and every member to step up to a role in your club. Whether it is an executive board position or committee member, we need you! We also need you at a Region and Association level, so think about where you can fill in! The Association level committees are such a great learning experience and great way to meet many of the amazing members of ADDC.

We will be electing the 2019 officers of ADDC at convention, so please take time to review the applicants and their qualifications prior to the meeting. Take the time to discuss as a club these candidates and come to the meeting educated and ready to elect the future of ADDC.

As always, I am here to assist any club or member with any issues or events that you might have, just simply reach out! I hope to see a lot of you this month and everyone else very soon!

NAME: Tracy Fanshier
CLUB: Great Bend, KS

Recognized by Great Bend President, Pam Hitz.

Tracy Fanshier was the inspiration/motivation/implementation of the Great Bend Desk & Derrick club 22 years ago. A long-time member of D&D prior to that, Tracy has traveled to almost all ADDC conventions and region meetings since joining. Her sister Tulip (club member), her mother Ida (deceased-D&D member), and her husband, Lonnie Broce, (club member) have all been instrumental in the success of the Great Bend club. So you better have a great big spotlight to highlight all the accomplishments of this family tradition.

Tracy has provided spectacular programs, has helped with our educational expo exhibits, parade entries as well as our many fund raising adventures, she was GAC for Region meeting and has served in every capacity in our club. She loves the educational aspect of Desk & Derrick. She graduated from OU with a petroleum engineering degree and along with Lonnie, operate the family cathodic protection company. Fanshier Corrosion Service is celebrating their 60th anniversary in business.

**Congrats to Fanshier Corrosion Service and a big THANK YOU to Tracy and her family for their continued dedication to ADDC!**
Hello all! It is so great to be with all of you here in Wichita this weekend, where we have enjoyed field trips, seen old friends and made new friends, along with making many wonderful memories!

The Liberal Club wants to thank the Wichita Club for all the many hours they have volunteered to make this another great and fun Region Meeting!

I asked our club members to help me come up with a theme this year and we all agreed on “Embrace Change”. With the new regions realignment taking effect next year and with the small change up of this year’s Region VI meeting, we thought this was a perfect theme! One other change is my new role as club president and I’ve only been a ADDC member for a very short time! (Eeek!) It has been a learning and humbling experience for sure, but all in all—not as bad as I feared. I am very thankful for the guidance and patience of our club’s members. Without their support, mentoring and an occasional “nun slap on the wrist”, I’d be a lost cause! Ha!

I saved a quote that has helped me and wanted to share it with you all. “When you accept, embrace and learn from change, you inevitably grow stronger. The ability to continuously accept change allows you to become as solid as a rock in the midst of violent storms all around you, even if you feel afraid… Robbyn Ackner”. I hope this quote will help others embrace the new changes.

Our members have come up with new and great ideas for fundraisers that are in the works for the year, along with our “tried and true” ideas that we still do every year.

This is what our club is up to this year:

- Magic Suitcase program scheduled for May
- Continuing providing lunch for the Quilts of Valor ladies-they make handmade quilts for the veterans and meet on Saturdays
- Gave out 3) $300 scholarships to graduating seniors this year
- Fundraiser-Canvas painting class is in the works. Hoping it will help us gain new members as well! Should have it all lined up for a date this summer.
- Club Sales-Sunflower wreath raffle at Region Meeting (Hook up with Kay and I...we have tickets!) & selling decorated wine bottles
- Fundraiser-raffle for a Tupperware Microgrill valued at $199.00-drawing will be in September (Kay and I have tickets!)
- API Golf Tournament in June

Looking forward to the future and embracing all the great changes for our association to grow Stronger and be Solid!

May you all have a happy and wonderful 2018!

Note: I was aiming for a “short and sweet” report so I wouldn’t get buzzed for going over the time limit...LOL!

Love, Light & Blessings,
Jamie Sabata
President-Liberal Club
Trade associations representing the oil and natural gas industry expressed support for the Department of Interior (DOI) proposal to reorganize into 12 “unified regions,” indicating the move should lead to faster permitting and more efficient regulatory oversight of federal lands it manages.

The American Petroleum Institute (API) and the Independent Petroleum Association of America (IPAA) each sent letters to DOI Secretary Ryan Zinke while the proposed reorganization was being formulated. Zinke initially discussed the plans in a five-minute video with employees last January, and in a subsequent interview with the Washington Post. Additional details emerged from a memo sent Wednesday to DOI’s 70,000 employees.

"We appreciate and support efforts to modernize and reorganize the DOI in order to improve governance, streamline permitting and approvals, and improve coordination of government services so that unnecessary barriers to oil and natural gas development are minimized and eliminated," API CEO Michael Sommers wrote in an Aug. 6 letter to Zinke. "Federal lands hold great promise for continued job growth and government revenue generation, and the DOI’s reorganization should be looked upon as an opportunity to pave the way for expanded, long-term and environmentally responsible resource development.”

In a separate letter to Zinke on July 19, IPAA's Dan Naatz, senior vice president for government relations, said producers that operate on public lands “face a morass of overlapping regulatory requirements when working on those lands. IPAA strongly supports efforts to improve coordination among bureaus within DOI and with other federal agencies. We also applaud your plans to empower the agency field offices to resolve disputes and be more responsive to the public.”

IPAA spokesman Jeff Eshelman told NGI on Thursday that DOI's proposed reorganization “should empower local agency officials to make on-the-ground decisions without overly bureaucratic interference from Washington.”

Western Energy Alliance (WEA) President Kathleen Sgamma concurred. "With 61 different regional boundaries.

Depending on the bureau, it makes sense to implement common regional boundaries that could result in more efficient management," she said Thursday. "WEA supports the regional boundaries based largely on state lines that DOI is considering." (continued on page 13)
September 2018

This year has certainly gone by so fast and in just a few weeks we will be in Evansville, Indiana at the 67th Annual ADDC Educational and National Convention. I don’t know about everyone, but I am looking forward to seeing old friends, meeting new ones, learning more about our industry and organizations and having cooler weather (or at least I hope so) lol!

Each President and/or delegate should make themselves familiar with the Rules of Convention and can be found on the ADDC Website along with the Official Call to Convention, the tentative Agenda, Nominations of Officers and the proposed amendments of the ADDC Bylaws and Standing Rules.

I am honored to represent the members of Region IV, along with Southeast Region Director-Elect Evelyn McCurley-Ingram and Central Region Director-Elect Connie Bass, as we attend the Pre-convention Board meeting and the business sessions of the ADDC. If you have anything that you would like us to bring up for discussion at the pre-convention board meeting, please let me know as soon as possible. This is a time to have your club’s voice heard.

For those traveling to convention, please bring these items with you so you are prepared for the business sessions. For those new to conventions, the dress code for the business sessions on Friday and Saturday is business attire. The banquet can be a little fancier, but business attire will also work. If you are attending any of the field trips, please see the brochure package for what is required (i.e. closed toed shoes, comfortable walking shoes, timing to be on the buses, whether lunch is supplied, etc.). Also, please don’t forget to check your registration package when you get it, for any updates.

As your club’s delegate, you need to know how your club wishes you to vote on the Bylaw Amendments and the nominations for officers, so having a discussion with your members is important. Your club will either send you instructed or informed but uninstructed. If you are sent instructed, you must vote as instructed by the club without considering the additional information given. But if you are sent informed, but uninstructed, you may consider the new information and take into consideration, along with the information from you club, when you vote.

Good luck to everyone competing for an AIMEE this year!! I believe Region IV has a fantastic chance to bring home several awards. It is also that time to sort through the articles, bulletins and pictures for entries for the AIMEE awards for next year. I hope each of our Region Clubs will be able to submit something for each category. The entry deadline is December 15th.

This month each club will complete a slate of officers for next year. Members, it is my hope that you will strive to mentor and encourage the newer members to chair a committee or, if they are ready, become an officer. This is the place where you can step forward, step outside of your comfort zone and step up; you will be glad you did, and you will find out that each one of your club members will be there to help you. The future of our clubs depends on you!

Reminder: Monthly program reports are due to Connie Bass, Program Chair, within a week of your meeting date.

Sue Weaver

“Greater Knowledge ~ Greater Service”

“Start by doing what is necessary; then do what is possible; and suddenly you are doing the impossible” ~ Francis of Assisi
Great Bend Desk and Derrick just celebrated our 22nd birthday. Each June we have our annual summer social/BBQ/birthday party and celebrate with our Desk and Derrick friends and families. We have themed parties complete with decorated cakes and members come in costume. We’ve had all types of crazy themes such as: westerns, aliens, elvis 60’s, hippie 70’s, who dunnit, blackjack, nascar races, swampy biyou, safety hazards. We love to implement fun into our meetings, which are very casual, as we try to make our program presenters and speakers feel at ease. A comfortable setting with refreshments makes for a delightfully educational meeting where we get to ask questions and learn so much more about the individuals and their service to the industry while they share their past experiences and tell us what they think about the future of the business they are involved in.

Our club is very active as we participate in several events that create a lot of publicity for us. We have entries in the After Harvest Festival Parade and have placed many times for our creative floats. If you think 100 degrees in July in Kansas could be any fun? We may have suffered heat exhaustion a time or two, but we try to stay hydrated. People love our creations but the kids love our handouts even more. We give away tons of candy, popcorn, pencils, flower seeds, reusable bags, coloring books; as our floats and handouts often have an educational theme as well.

We also construct educational exhibits at the Spring Home Expo where thousands of people come by our booth that is specifically catered to kids, but adults learn a thing or two also. We have shared information about solar energy where we had a race track set up that ran on solar power, we have had buckets of water where the children went fishing for knowledge, we had an offshore drilling platform set up in a pool, children dug in sand boxes for dinosaur eggs, we displayed gallons of everyday items and compared them to what a gallon of gas costs, our wind whirlers were a huge hit as we explained wind energy, we’ve had guessing games as to how many corn kernels were in a vessel as we discussed ethanol production, we had a rock diorama featuring the different formations underground that are drilled through to produce oil, we had “hard hat harry” demonstrating safety around pumping units, well sites, and tank batteries, we had displays of plastic products made from oil where one adult defiantly stated “that is NOT made from oil!” we constructed a walk thru tunnel depicting rock formations with posters explaining the drilling process that totally amazed both young and old. We never seem to run out of ideas. We do have a way of making learning fun. Even our orientation programs have been outrageously fun! Our club is based on the educational concept of Desk and Derrick and we pride ourselves on the many AIMEE awards we have received at regional meetings and conventions.

However, our most prestigious award was the “Special Achievement Award” that we received in 2012 from the Association of Desk & Derrick Clubs (ADDC.) What an honor to be recognized for our many accomplishments and we are so proud to be part of such a wonderful organization that stands for the continuing education of its members and the general public.

Submitted by Club President
Pam Hitz
ADDC SCRAPBOOK CHAIRMAN REPORT 2018
DONNA HAYDUK – CHAIRMAN

The Edmonton Desk & Derrick Club has volunteered to prepare a Scrapbook of Memories for 2018 ADDC President Christina Forth. I, Donna Hayduk, am the Chairman of this committee.

The main objective is to compile a record of events and pictures that occur throughout the Association during the current year (2018) which depicts overall Desk and Derrick Activities and activities of 2018 ADDC President – Christina Forth- in which ADDC was being represented.

I will be creating a traditional scrapbook for Christina. I am requesting pictures, articles, bulletins, etc. of important events and activities during the year 2018. I am reaching out to the ADDC Board, ADDC Committee Chairman, the Regional Directors and all club presidents to forward information to me. We want Christina to have memories of the all the Association Members to reflect on for years to come.

Deadline for submissions is March 30, 2019. I am suggesting you send as soon as possible while events are fresh in the Clubs, Regions and Association.

Because this is the final year of all seven regions in the Association I’m sure each Club and Region celebrated years of nostalgia and memories both at the Regional Meetings and Club level.

I am requesting that Wayne distribute my report and requests to all levels of the ADDC Membership.

You can either mail your memories to me or email them to me. I PREFER that you mail your information to me as I am retired and my home computer may end up on overload trying to download and copy everything. I am preparing a traditional scrapbook with 50 pages for memories. Please take into consideration the size of documents-pictures you are sending.

My mailing address is:
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Thanking all of you in advance.

This concludes my ADDC Scrapbook Committee Report

Donna Hayduk
ADDC Scrapbook Chairman
Where has the time gone? Two-thirds of 2018 is now history! The 67th Annual ADDC Convention and Educational Conference is upon us! In just two short weeks, we will be meeting in Evansville, Indiana, for #ADDCCon18. We have lined up some great certification class instructors, great symposium panelists, and great keynote speakers for Friday and Saturday! It promises to be a historical conference you do not want to miss!

For those of you who have been considering attending—but have not yet completed and submitted your registration form—there is still time to do so. However, you need to send in your registration form, emergency contact form and payment as soon as possible. The clock is ticking, so emailing your forms is preferred. Remember you may pay by check or online.

160 of your friends, colleagues, energy industry professionals and their guests are attending #ADDCCon18. Do you really want to miss out on this educational networking opportunity?

In October, I will be distributing 2019 membership renewal packets to our Club Presidents. This will be our second year of distributing these packets in the fourth quarter. Our goal is to have membership renewals completed in January. Believe it or not, this is an attainable goal. Should you require additional information, clarification or assistance, please do not hesitate to let me know sooner than later.

I would like to thank all of you for an educational year as your Business Manager. I look forward to seeing each and every one of you at Convention and hearing spirited discussions regarding the bright future of the Association and the energy industry.

Best Regards,

Wayne Ammons
Business Manager
September 2018

We have preparing all year for the 67th Annual ADDC Convention and Educational Conference and it is finally here! The business meeting will start on Friday, September 21st and the club’s delegates will be electing ADDC Officers for Year 2019. The Slate of Officers is as follows:

President-Elect Keith Atkins, El Dorado Club, Region III
Jill Coble, North Harris/Montgomery Counties Club, Region IV

Secretary Kim Oelze, Heartland Desk and Derrick Club of Southern Illinois, Region II
Wendy Sparks, Oklahoma City Club, Region VI

Treasurer Evelyn Green, San Antonio Club, Region IV
Barbara Pappas, Wichita Falls Club, Region V

We will also be voting on seven proposed By-laws Amendments and one proposed Standing Rules Amendments. It should be a very interesting meeting.

**MEMBER SPOTLIGHT – STACEE DOVER**

Stacee Dover has been a member of Tri-State Desk and Derrick Club for 4 years and is employed by CountryMark Refining and Logistics, LLC as a Crude Sourcing Manager. She is a graduate of Ohio University with a BA in International Business and Marketing. Stacee has been working in the oil and gas industry since 1994 with experience in pipeline transmission, utility distribution, regulated and deregulated natural gas sales to end users, and has managed business development across a 16-state territory for deregulated energy sales to name a few of her jobs in the industry. She transferred to CountryMark in 2014 and works with over 700 Illinois Basin Producers/Operators helping them take their oil to market every day. She also serves on the Illinois, Indiana and Kentucky Oil and Gas Associations, The Independent Oil Producers Association Tri-State Inc., IPAA’s Liaison Committee of Cooperating Oil and Gas Associations, and many more.

She joined Desk and Derrick to gain a better understanding of the Illinois Basin players: Operating and Producing entities, and service companies marketing to this distinct basin. Being a member of the Tri-State club presented her an opportunity to meet people behind the scenes of some of the successful Illinois Basin oil companies. Stacee feels being a member has been a very valuable investment of her time. It has also helped her integrate into the Illinois Basin community and afforded her an opportunity to gain creditability amongst her peers and experts within the oil industry. Stacee has served on the "Smoking Hot Team", helping to organize the pork loin fundraiser for the Tri-State Club. This is one of the big fundraisers for the Tri-State Club.

Stacee has a fur baby named "Milo", who is her favorite thing on the face of the earth! It always puts a smile on her face when she is talking about him. She loves to travel, home renovations, gardening and target shooting. One of Stacee's favorite quotes is "When you have a great and difficult task, something perhaps almost impossible; if you only work a little at a time, every day a little, suddenly the work will finish itself." - Baroness Karen von Blixen-Finecke

Beth Etzkorn
From Wichita

June 9, 2018

“Rinse & Repeat”

Every girl on the planet knows about Rinse and Repeat, but honestly if we did that – we would literally use an entire bottle of shampoo in one shower! Our Desk & Derrick Club, sometimes fall into the same routine of “rinse and repeat” doing the same things over and over again. Doing the same fundraisers, the same club meetings and talking with the same people at those meetings.

I want to challenge our members to sit at a different table this luncheon and try to learn at least 3 new things about someone you’re sitting with. Also, while we’re breaking tradition – come to the meeting with ideas on how we could engage new members to join our club. I want to know why you come (really) and what you think we can offer someone new. I’m not taking a survey per say, just want to talk it out with our members and see what you think.

Our club has a lot of potential, but without a little poking and prodding – and escaping the rinse and repeat – we may have trouble moving forward. The board is discussing possible officers for next year, as several of us have been on a few years already. If you are interested in being more involved, please let us know. Otherwise we’ll go back to poking & prodding – ha!! Sometimes it does take the confidence of a colleague to make you see your potential, and that’s ok!!

The ADDC convention will be here before we know it. Don’t forget to go online and check it out – let’s see if we can get a few from our club to go and be involved. Let us know if you’re interested!!

Abby Bock
620-491-1565
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2018 Wichita Desk & Derrick President’s letter
A major reorganization of DOI would require Congressional approval.

According to a map created by DOI and its U.S. Geological Survey in July, the reorganization proposes establishing 12 regions that would mostly follow state political boundaries -- except for one area in Montana, Zinke's home state. However, the states would be grouped more along watershed lines. There also appears to be three instances where counties in California, Nevada and Oregon are grouped with other states.

The revised map also splits some onshore oil and gas basins/formations but keeps others mostly intact.

Region 1, aka "North Atlantic-Appalachian," includes New England and the Mid-Atlantic states, plus Kentucky. That means the bulk of the Marcellus and Utica shales would be in Region 1. However, Ohio's portion of both plays would be in Region 3, aka "Great Lakes," where the state would be lumped in with those that formerly comprised the Northwest Territory: Illinois, Indiana, Michigan and Minnesota.

Region 2, the "South Atlantic-Gulf," would include Alabama, the Carolinas, Florida, Georgia, Tennessee, Puerto Rico and the U.S. Virgin Islands. Region 3, the "Mississippi Basin," would include Arkansas, where the Fayetteville Shale is, as well as Iowa, Louisiana, Mississippi and Missouri.

Most of the Bakken Shale should fit in Region 5, aka "Missouri Basin," which would include the Dakotas, Kansas and Nebraska. The bulk of Montana, minus the Western Slope Watershed, is also in Region 5.

The map splits the Permian Basin between Region 6, aka "Arkansas-Rio Grande-Texas-Gulf," which covers Oklahoma and Texas, and Region 7, aka "Upper Colorado Basin," which includes Colorado, New Mexico, Utah and Wyoming. The Denver-Julesburg Basin would be split between Regions 5 and 7, while the Haynesville Shale, which straddles East Texas and southwestern Louisiana, would be split between Regions 4 and 6.

Region 6 also would include the Barnett Shale in North Texas and the Anadarko Basin, while Region 7 would include the Green River, Piceance, Powder River and Uinta basins.

A new Region 8, or "Lower Colorado Basin," would include Arizona. It also appears to include Clark County, NV, and the eight southernmost counties of California: Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego, Santa Barbara and Ventura.

Region 9, the "Columbia-Pacific Northwest," would include Idaho and Washington state, Montana's Western Slope Watershed and most of Oregon. Klamath County, OR, appears to be part of Region 10, aka "California-Great Basin," which covers the bulk of California and Nevada not included in Region 8.

Rounding out the list, Region 11 is to cover Alaska, while Region 12, aka the "Pacific Islands," would include Hawaii, Guam, the Commonwealth of the Northern Mariana Islands and American Samoa.

Letter from the Editor,

Thank you for your overwhelming participation in highlighting a different Region each month. This month we are focusing on Region VI. And each of the clubs have stood up and submitted an article, President's letter, or synopsis of their club's activities. As part of the focus on this region, I have tried to include news articles from the same region.

Next month we will be featuring Region IV. With so many clubs in that region, there should be some great articles. If you're a member of Region IV, please submit something on your club to me by September 30, 2018.

November's spotlight will fall on Region V, and we will close out the year with Region III. Club Presidents, I'm counting on you to make the last three issues of the 2018 Insight the best yet.

We are rapidly approaching the 2018 ADDC Annual Educational Conference and Convention. Please submit your pictures, comments and notes on your experiences as soon as you can post convention. There will be 3-4 pages dedicated to the Convention in the next Insight. I can't wait to see everyone!

Until next month,

Maggi Franks
Editor
Here we are more than half way through the year and the final meetings of the current regions are shaping up to be Educational, Informative and Energizing. Convention in Evansville, Indiana, is less than a month away and I can’t wait for the education and comradery.

This month I would like to introduce you to our 2018 Vice President of Alberta Foothills – Connie MacRae.

Born and raised in the Ottawa Valley, I moved to Calgary in the mid 1970’s. My family and friends in Ontario urged me to get a job with an oil company, as everyone knew that’s where all the good jobs were in Alberta. However, in those days I was not particularly interested in the industry and had no trouble finding interesting and rewarding work elsewhere. I did, at one point, take a 2-week Temp assignment at Suncor and then moved on to something else. I have often wondered how my life and career path would have turned out if I had made it my mission to snag a permanent position with Suncor way back then.

Instead, I spent a number of years with Ernst & Whinney, which became Thorne Ernst & Whinney, which became Peat Marwick Thorne, which became KPMG. Through all of those mergers I managed to stay employed, and eventually ended up in the Marketing department (which would be the Communications department today).

From there I moved on to the City of Calgary, where I started out in the Telecom department. I had the good luck to be in the right place at the right time to receive training on a brand new software program, and became the go-to Help Desk person for most of the City’s internal telephone system. Taking advantage of the City’s “Limited Term” career opportunities, I spent a year with the Calgary Fire Department and then the Project Management Office.

At that point I was content in my role and not looking for a change, but one day my daughter sent me a job posting from an external web site and said, “Mom, this sounds like you.” It was a position in Suncor’s External Communications department, and it did sound like my dream job. I applied and received an offer, thanks to my Marketing job at KPMG – and that is how I finally came to work in the energy industry.

During my 10 years at Suncor I have “lived in interesting times”. I was in External Communications during our merger with Petro-Canada, in Field Logistics during the Fort McMurray wildfires, and now I work in Regional Development with teams who evaluate new proposed projects and work toward creative solutions with emerging technologies.

One of my Suncor colleagues introduced me to Desk and Derrick, and for that I am very grateful. Through our dinner meeting speakers, field trips and conferences, I have learned so much about our industry that would not have been included in my job description. I’ve made a lot of great friends and travelled to many places I would never have seen otherwise. I have been challenged by writing articles, organizing field trips, participating in our GAC committee and publishing our club newsletter. This year I am also serving as our club’s Vice President.

Desk and Derrick has enriched my life in many ways, and I am looking forward to more educational adventures with this terrific organization!

Connie’s story inspires me to believe anything is possible even if you are not looking for something it will find you. Follow the road of life with an open mind, encourage others in their endeavors to help energize yourselves.

Tracy Fillmore - Energize
2018 Region VII Director
Stillwater’s Quest RTS creates software that keeps big rigs rolling with automated dispatch, billing procedures

Published: Tue, August 28, 2018 5:00 AM

STILLWATER — Chandler’s Acord Transportation dispatches dozens of trucks across Oklahoma each day to transport fertilizers, propane, butane, asphalt, road oils and more.

The task of dispatching drivers, logging their deliveries and preparing invoices has always been a time-consuming, labor-intensive activity — until last year.

That’s when the trucking firm began using a beta version of a new software called Land Traffic Control developed by Stillwater’s Quest RTS specifically to automate the trucking industry’s daily dispatch challenge.

“A lot of the smaller trucking companies are pretty analog on how they dispatch,” said Tony Payne, Quest RTS founder and CEO. “They have dispatchers that are receiving calls, writing down loads that customers want transported, then are calling truck drivers saying ‘hey, driver, here is your dispatch.’”

Once the delivery is complete, drivers call back to the office with the bill of lading on what they delivered, the number of gallons used on the run and the hours they spent on the road. Office staff writes down the numbers, then attempt to create an invoice in a timely manner.

“When there are so many truck drivers and so few dispatchers, it becomes a bottleneck,” Payne said.

Land Traffic Control eliminates the bottleneck by providing digital alerts to drivers via mobile devices. Payne describes it as an enterprise resource planning (ERP) software.

“They get their loads, we know when they’ve accepted a load, and as soon as they complete a load and enter the Quest RTS — for Remote Technical Services — was founded in 2017 and released a beta version of the Land Traffic Control software in July of that year. The public version of the software went live last month.

“After our first batch went in automatically, we got a call from the CFO at Acord telling us that we absolutely knocked it out of the park,” Payne said. “He was just ecstatic.”

Said Lee Durbin, Acord Transportation’s chief financial officer: “Using Land Traffic Control, we have streamlined our work flow and eliminated a ton of busy work.”

Quest RTS is a sister company to an older business called Quest Technical Services, which was founded in 2013 and provides managed IT services and support to a base of customers across Oklahoma and beyond. The two companies employ seven people full-time, along with three interns and a varying number of contract workers.

For the past year, Quest RTS has been based at the business incubator on the campus of the Meridian Technology Center. Payne describes it as a collegial atmosphere in which he can bounce ideas and challenges off fellow entrepreneurs located nearby.

“This has been amazing for us,” he said of the incubator experience. “There are so many brilliant and bright people here. It’s nice not to be on an island by yourself.”

Brad Rickelman is assistant director of the incubator, which is formally known as the Center for Business Development.

“Tony came to us with this great idea, this great product, going gangbusters on it,” Rickelman said. “But in terms of being a businessman, he was just flailing.”

So the incubator staff and fellow entrepreneurs offer assistance and feedback that a small business such as Quest RTS might not otherwise afford.

“We are trying to assist them in becoming a better manager, a better owner, a better businessperson, and that’s what’s going to make them successful,” Rickelman said.

In addition to the Land Traffic Control software, Quest also developed a companion scanning software and a “dashboard” that permits users to track all their drivers, deliveries and other critical information in real time.

News of the Quest RTS innovation traveled quickly across the trucking industry as people began to hear about the successful beta test and automation features built into the software.

“We are actually starting to get cold calls,” Payne said. “People are calling Acord. They are hearing about our software and integration. I just think word of mouth and community is going to be great for us.”

Jim Stafford writes about Oklahoma innovation and research and development topics on behalf of the Oklahoma Center for the Advancement of Science & Technology (OCAST).
On behalf of the 2018 ADDC Membership Committee, we would like to welcome you to our organization. We believe you will find that our local ADDC chapter clubs offer top-quality educational experiences in a professional, yet friendly and comfortable environment. The friendships and networking opportunities formed within the local clubs are unsurpassed and provide significant benefits for members and employers alike!

We are committed to meeting or exceeding your expectations each month and at each event. To this end, we rely heavily upon your regular feedback and suggestions to do so.

As such, we always strive to encourage open communication amongst all members. You should always feel free to contact me directly with any questions, concerns, or comments. That being said, below, please also find additional contact information for those who would perhaps have quicker and better access to answers to some of the more frequently asked questions. I hope you find this quick list helpful.

Once again, I would like to thank you for joining. Welcome aboard!

Katherine S. Martin
2018 ADDC Membership Committee Chairman

For General Inquiries and most answers to all things ADDC:
Wayne Ammons, Business Manager
ado@addc.org
405-543-3464 main

ADDC Website:
www.addc.org
(Please contact Wayne at the information provided above to obtain your login information for the Members Only section of the website)
in the West, the red tape is even nastier than in other parts of the country, thanks to the slow-moving permitting process on federal lands.

“Transmission is tougher in the West, because of the multi-use land ownership,” says Jason Begger, executive director of the Wyoming Infrastructure Authority. He says coordinating with so many different interests is a major obstacle, and that plenty of landowners don’t want things crossing their property.

To bypass the complications associated with new transmission projects, repurposing existing lines — as Clearwater is doing — is an appealing tactic. That strategy may become more common in the future, as coal power plants are downsized or retired, potentially making more transmission capacity available.

“Transmission access in the West is a valuable asset and people will find ways to use it,” says Cameron Yourkowskis, a transmission and renewable energy integration expert with Renewable Northwest, in Oregon. Doing so, he says, makes sense “from a cost perspective and from an environmental, land-use perspective.”

Yourkowskis says Clearwater could signify the early stages of a broader trend of renewables tapping into available transmission, rattling off a list of coal plants from Oregon to Nevada and Wyoming that are candidates to be either fully or partially decommissioned.

“It’s definitely a trend, I’d say, and we’re at the beginning of it,” says Yourkowskis. “It’s fair to say there’s interest there (from renewables).”

With possible coal plant retirements as a moving target, it’s too soon to say how much transmission might be freed up and whether it will be made available to renewables or not. Utilities retain the rights to transmission lines they built and can therefore determine future users.

In Montana, however, Cressner downplayed the potential impact of reduced competition, saying that with some upgrades, the Clearwater project will have sufficient transmission capacity “even with the current regime of power generators.”

But if they succumb to the economic and regulatory pressures facing the coal industry, renewables — and wind in particular — may be best suited to fill the void.

“By some great divinity, there seems to be a lot of wind near the coal power plants of the West,” says Yourkowskis. “If coal plants do retire, there’d be a lot of opportunity.”

Bryce Gray is an editorial intern at High Country News. He tweets at @_BryceGray.
New renewable energy projects may find opportunity in old transmission lines

A Montana wind energy project plans to make use of existing infrastructure built for coal.

Bryce Gray April 28, 2016

Just 30 miles north of the coal power hub of Colstrip, Montana, plans to establish another prodigious energy facility are in place. But the Clearwater project, as it’s known, is not coming for the coal that has long been the region’s lifeblood. Instead, it’s a massive wind farm looking to harness the existing transmission capacity, built for the coal industry, the area has to offer.

Transmission is an often-overlooked part of the energy equation, but as increasing amounts of renewable energy are added to the grid, the system’s connective tissue has itself become a source of complication — and opportunity. In large part, the existing electrical grid was built around hydropower, nuclear and coal and natural gas power plants. Those existing long-distance power lines are either filled to capacity with conventionally-generated electrons, or they just aren’t there, leaving vast swaths of the West — often the best places to build a wind or solar plant — without a way to get that power to the people who need it.

A helicopter helps workers service power lines in Wyoming. The state is the target of a number of projects aiming to boost its transmission capacity and improve access to its wind resources.

“When there isn’t already sufficient transmission, projects must evaluate upgrading the current transmission lines, or building new ones,” says Michael Cressner of Orion Renewable Energy Group — the company behind the Clearwater project, which is still two years away from beginning construction but is expected to be Montana’s largest wind farm when it comes online, with at least 300 MW of generating capacity.

Cressner says that transmission was a chief concern when they were picking Clearwater’s location. In fact, Clearwater’s developers were lucky. For many renewable energy projects, access to robust transmission capacity is harder to come by. Now, however, a number of projects are aiming to eliminate those barriers, while other renewable energy developments, like Clearwater, could start positioning themselves to capitalize on existing or freed up transmission capacity.

Wyoming has become a prime target for privately funded transmission projects, with two-thirds of the energy produced in the state sent to consumers beyond its borders.

The bulk of the West’s transmission infrastructure is concentrated along the Pacific Coast, where it is predominantly oriented north to south, with few significant lines branching directly to the Interior West. But projects such as TransWest Express, Gateway West and Gateway South are seeking to bridge the gap between the coast and Wyoming, which has “some of the best on-shore wind resources in the United States,” says Kara Choquette, the director of communications for TransWest Express LLC. That project is being built primarily to distribute energy from a sprawling, 1,000-turbine wind farm owned by the same parent corporation, being planned near Rawlins, Wyoming.

Choquette says that existing transmission capacity in Wyoming is almost entirely committed to other power sources, creating a need for new lines to help the state get its renewable energy to market. Despite the challenges associated with transmission, she expresses optimism about the direction the system is heading.

“I think of transmission as more of an enabler than a barrier,” says Choquette. “It enables access to more diverse resources, more cost-effective resources.” But the hurdles are considerable. Navigating the bureaucracy and getting the permits required to run power across hundreds of miles can take years. And

(Continued page 17)
Red Earth Desk and Derrick Club

Meeting Summary - 2/16/2016

by Amy Smith
Rick Johnson – BRT Energy Services, Ranger Directional Tools, Ranger Consulting

“Second Guessing Just Became Old School”

Rick Johnson from BRT Energy Services/Ranger Directional Tools/Ranger Consulting spoke to us about the new “flashlight” technology.

This is a sub that is placed between the motor and the bit and provides data from 27” behind the bit. Prior to this new technology, he said they were 40-50’ “behind the bus” trying to see what they were doing in the dark. There was no way to know what they were doing, so they were “driving blind”. A bit used to drive down one mile deep and one mile sideways, and now the bits are driving two miles side-ways with horizontal drilling.

Rick has been involved in directional drilling since 1967, so he has quite a bit of experience. This new flashlight technology is revolutionary and he loves it. He also spoke about how far the computer technology has come, and how the subs are built to withstand 5,200# of static pressure at 10,000 feet and the motors can process 475 gallons/minute and run 240 RPM. This is quite amazing that such a tiny control panel can withstand that kind of pressure!

The flashlight technology helps cut down on drilling time due to being able to see what they are maneuvering through. It also allows differentiation between two wellbores and inclination changes, and lets you see pockets so you can back off if needed. In some cases, the operators can use gamma ray logs and bypass running mud logs, thus saving money. Before the flashlight technology was introduced, the operator had less control, and was not sure of formation dip and thickness. Now penetration rates are higher due to the flashlight eliminating the guesswork during sidetracking off an open hole or cement plug. This technology has been out about two years. It costs about $2,000/day to use, but drilling time is saved, cutting down on expenses. Savings has been in the range of $200,000 per well.

Reprinted from March 2016 Red Rock Reader
Red Earth Desk and Derrick Club
We lost a memorable and valuable member to Region I, April Lang, earlier this summer. April was the first person I met from ADDC outside of Buckeye members. She was so enthusiastic as she came to visit Marathon for a lunch and learn as the Region Director. She had me hooked on ADDC and I “Let Desk and Derrick Whisk Me Away” and attended my first convention that year. She continued to be my mentor over the past 4 years and I will always be grateful to her for that. I asked her friend and member of PYOGA, Jennifer Smith, to share some memories about April’s time with ADDC.

April Lang, longtime member of 23 years of Penn York Oil and Gas Affiliates club passed away on July 19, 2018 after a short battle with Pancreatic Cancer. When I met April, and was a new member of the club, she kept saying you need to get more involved, volunteer more. And then when I was club President for 2008 and 2009, she said you need to run for the Region I Director. So then when I was 2010 Region I Director, she was my GAC for the Region I meeting and everything had to be just so….so when I volunteered to be the GAC for the 2017 Region I meeting, whom did I go to, to help me, my dear friend April….and as all that attended last year, know what a great meeting it was! She was club President in 2011 and 2017 and was the Region I Director in 2014. I feel that she would have climbed through the ranks of ADDC if it hadn’t been for her grandsons…whom she loved dearly. She was so passionate about Desk and Derrick, Region I and ADDC. As many have heard her say, “GO REGION I” and even said last year “GO NORTHEAST REGION”. We will miss her dedication and we thank her for letting us be a passenger on her Train of Life, even if it was such a short ride!

April was an instrumental part in helping our newest club, Oil Heritage, become chartered a few years ago. I think it only fitting that we highlight an innovative way that education is being broadcast to many by Oil Heritage. Thank you to Tracey Korrell for sharing this great story:

Meadville, Pennsylvania, headquarters of the Oil Heritage Desk & Derrick Club, is in a region served by the Armstrong Group. This company provides TV cable and internet services to many communities in Western Pennsylvania. Armstrong provides community programming through its CTV 13 channel which televises community events, histories and similar local programming. Armstrong has often televised and broadcast the Oil Heritage Club presentations. Typically, our programs are broadcast multiple times. Armstrong sends a camera man and equipment to our meeting site and records and broadcasts our programs free of charge. They also provide us with a YouTube link so we can share with those outside the viewing area. The Oil Heritage Club applauds Armstrong’s work and suggests that other clubs may wish to explore the availability of this service in their localities. Please check out our July presentation with the link below.

https://youtu.be/ZA-DDs33mDk

Until next time, let your voices be heard!

Carrie
From the Tulsa Club

We have had some great events and opportunities this year to learn from history, learn from experts in the industry, and combine some of that knowledge with volunteering to help others learn and become advocates for our industry.

As part of the Circle Cinema’s 90th Anniversary Film Festival, there was a special screening of the documentary film “Rock Stars: Women in Petroleum Geology”, based on the ‘Anomalies’ book written by petroleum geologist/historian/writer, Robbie Gries. Several members were enlightened on the difficulty that women geologists experienced in the beginning, but also their spirit and love for geology that prevailed.

In July, we took a field trip to the Elsing Museum, a hidden treasure tucked into the Learning Center at Oral Roberts University. It was an awesome display of some of the most amazing rocks, gems, and other minerals that we had ever seen. Our tour guide was very knowledgeable and passionate about the history and preservation of these artifacts, and was able to lead us through each exhibit explaining where certain rocks were found, how they are used and some unique characteristics. I would highly recommend visiting this museum if you’re ever in Tulsa!

Learning more about the industry through our careers and our club is great, but passing that knowledge on to others is even greater. Val Bode demonstrated this by volunteering at a local Boy Scout troop meeting and helping them learn more about geology and how it plays an important part in our world. By educating young people in the positive aspects of oil and gas, they too can be ambassadors for our industry.
From Butler County

We have had a busy year in Butler County. We are currently at 11 members, one of which is new this year. Our goal for 2018, Have Fun! Have fun while we are networking, Have fun while we are serving our community, Have fun as we learning more about our industry!

One of the FUN things we did this past fall we attended the Eclipse watch party at the Butler County Oil Museum. Another FUN experience for the first quarter of 2018, was to have a St. Patty’s Day Happy Hour. Our second quarter FUN activity is to attend our 69th annual Region VI meeting in Wichita! We are beginning to narrow down our options for a FUN field trip this summer.

In honor of Women’s Health month in February, we had Brie Pringle from the American Heart Association come out and talk to us about life saving practices. Common Heart Attack Warning Signs: 1.) Pain or discomfort in chest. 2.) Lightheadedness, nausea or vomiting 3.) Jaw, neck or back pain. 4.) Discomfort or pain in arm or shoulder. 5.) Shortness of breath,

An upcoming speaker is Zach Payton, with PK Safety. PK Safety always has some very exciting topics to share with us. Last year, Nick Huelscamp, VP of Operations at PK Safety gave a very exciting look at off-shore drilling. He has been instrumental in training for the safety and rescue on the offshore rigs. Some of his experiences he thought was exciting made me almost have a panic attack. It was very interesting to see the intense training these men and women go thru.

We are looking forward the fall when we will be able to attend the annual cemetery tours hosted by the Butler County Oil Museum.

We had a very FUN and interesting project last year helping with HollyFrontier’s 100 years celebration! Our group made a DVD with interesting fact that we researched and found at the Oil Museum. We then invited Refinery retires to share stories. We combined all the stories and facts and made a DVD, we played this DVD at the 100 year celebration.

We have just completed a fundraiser at the Tim Underwood Memorial Golf Tournament. This gave us a chance to introduce Desk & Derrick to many companies both near and far.
September, 2018

Fall is finally coming – well, almost. Instead of 3-digit weather, we are now in the 90’s, with 100% humidity. For us here in the Southeast, that’s certainly a cooling trend! Fall also brings us closer to attending the ADDC convention in Evansville, Indiana. Evelyn McCurley-Ingram (Southeast Region Director-Elect) and I will be attending the Pre-Convention meeting to be held September 17th. It’s not too late – send in your registration ASAP. If you have any items you would like discussed at the meeting, please do not hesitate to send me an email so I can bring it before the Board.

Please go to the website and go over the Rules for Convention. By now all delegates should have sent in their credentials, if not, please do, otherwise you will NOT be able to vote. Remember, this is a business meeting, and we should dress accordingly.

I would like to take this opportunity to wish all AIMEE contestants GOOD LUCK on their entries. Remember you are already a winner for having written an article to be submitted. Members, if you haven’t written an article this year, make plans to get involved in 2019 – YOU CAN DO IT!!

There is a dual slate of very qualified candidates for 2019. Please take the time to go over there qualifications so your delegates can make an informed decision. Those who are elected to office for 2019 will need your help. Volunteer to chair or be involved on a committee. Also, any proposed bylaws changes should be reviewed as well. KNOWLEDGE IS POWER!!!

Region III Clubs are soliciting members to run for office for the coming year, 2019. Be a part of the future of Desk and Derrick – get involved at the local level. If you’ve already served at the local level, step up to the Regional level. Incoming Regional Directors can’t do it alone – they need our help as well. It’s up to each of us to continue Desk and Derrick’s PAST, PRESENT and FUTURE!

HAVE A GREAT TIME IN EVANSVILLE!!!
Trump’s EPA Proposal Will Return Regulations To The States

By Alex Mills

The Environmental Protection Agency proposed this week changes to air emission regulations which will allow states to implement “the best system of emission reduction” as required by the Clean Air Act.

The proposed regulation would give states three years from the date the rule is finalized to come up with their own plans to cut emissions.

The EPA under President Obama adopted the Clean Power Plan, and determined that greenhouse gas emissions endanger public health. It significantly limited the use of fossil fuels for electric generation.

Coal was the big target, but as the regulations were implemented natural gas became a major target, also.

Coal and natural gas accounted for about 60 percent of fuel used to generate electricity in the U.S.

The Clean Power Plan regulations were very controversial, and more than 20 states filed lawsuits, which are still pending.

EPA noted this week that there are “six pending petitions challenging both the substance and the process of the endangerment finding. We are evaluating the best path forward.”

The new regulation gives states the option to be the primary regulator by submitting a plan to EPA for approval, or not submitting a plan and allow the federal government to establish regulations. It also proposes reduction in carbon dioxide (CO2) emissions from electric utilities, including coal-fired and gas-fired plants.

Coal-fired plants have been in decline in recent years because of the air emission issues and being more expensive than natural gas.

Natural gas, on the other hand, has become more plentiful in the U.S. because of the increase in production from shale formations in Texas, Oklahoma, Pennsylvania, West Virginia and Ohio.

Production in the U.S. has increased from 23,456 billion cubic feet (bcf) in 2005 to 33,177 bcf in 2017, an increase of 43 percent. Production in Texas, the largest gas producing state, increased from 6,006 bcf in 2005 to 7,918 bcf in 2017, a 32 percent increase.

The Energy Information Administration forecast recently that the share of U.S. total utility-scale electricity generation from natural gas-fired power plants to rise from 32 percent in 2017 to 34 percent in 2018 and to 35 percent in 2019.

EIA’s forecast electricity generation share from coal averages 28 percent in 2018 and 27 percent in 2019, down from 30 percent in 2017. The nuclear share of generation was 20 percent in 2017 and is forecast to be 20 percent in 2018 and then fall to 19 percent in 2019.

Non-hydropower renewables (wind and solar primarily) provided slightly less than 10 percent of electricity generation in 2017 and EIA expects it to provide more than 10 percent in 2018 and nearly 11 percent in 2019.

The generation share of hydropower was 7 percent in 2017 and is forecast to be about the same in 2018 and 2019.

The Obama administration made the Clean Power Plan the cornerstone of its environmental plan. Presidential candidate Donald Trump made it a key issue in his campaign, and has carried out that promise since becoming President in 2017.

Even though the proposed regulations do not specifically favor coal, they will allow states to establish regulation that take into consideration factors other than solely emissions, such as economic factors which may vary from state to state.

Alex Mills is the former President of the Texas Alliance of Energy Producers. The opinions expressed are solely of the author
Hello Everyone- Convention is around the corner! I’m so happy that so many have registered. They have a great convention planned and it will be a wonderful reminder of what we are fighting to keep. There will be a lot of discussion and debate, but that’s good, that’s what moves the organization forward. With the new baby and just going back to work right before convention, I wasn’t able to make it happen this year. I am sad to miss it, but I will stay in tune with it and make my voice known. I can’t wait to hear all about it from everyone. Enjoy each other and all the activities!

Cheers!

Andrea McGarrah
Region V Director

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Member Interview

Elaine McDowell

Introduction:
Hello, I am Elaine McDowell. I have been a member of the Desk and Derrick Club of Pampa since 1986. 32 years seems like a long time, but the old saying applies here, “Time Flies When You’re Having Fun”. I was introduced to Desk and Derrick by my good friend, Teresa Snow, who would come to my office on “oil & gas business”. I was new to the business, I am sure her boss and my boss encouraged her to get to know me, and help me along the path to “Greater Knowledge”. On one of her visits, she persuaded me to attend a meeting of the local club. At the time, I felt I could not afford $10.00 but she paid my meeting cost the first time and I was hooked. Best $10.00 investment ever made. I went to my first region meeting and convention in 1989 and I have not looked back since. I have missed two conventions and two region meetings since 1989 and those were because of prior commitments or illness. When I started my journey with D&D, I was shy and had no confidence in myself. Because of the opportunities I have been afforded during my time as a member of Desk and Derrick I feel I have become a more confident and outgoing person.

Greatest D&D Moment:
There is absolutely no way I can express the greatest moment in Desk and Derrick. I have had too many to count, but I think two things stand out the most. My first convention, which Pampa helped host in Las Vegas, was an awesome experience. Seeing all those women get up in front of the crowd presenting reports and conducting business in such a confident and professional manner made me a little awe struck. There were over one thousand members in attendance and the place was “a buzz”. In all truth, I must say, the year I was elected Regional Director and the next when I was Region V Director were the greatest years I have had in D&D. In 1993 was approached by Martha Sublett to put my name in the hat to run for regional director. Of course, I said NO way. She kept after me, but I would not budge. It did not take too long before Doris Odom came after me, and it was not long after that, I said yes. When you have those two after you, you do not have a chance. I ran
for region director and was elected. I did not have, at the time, clothes that would be suitable for a region director and I did not have the money to buy anything new. Some of the Pampa gals got together and decided I was about the size of one of our members; they took me to her house to shop from her closet. Knoxine Cotham, who was one of the original members of our club, opened her closet and suited me up for the whole week. Now that is what friends are for! Once I got to convention and met all the other director elects (and directors the next year,) there was so much camaraderie between us that both years we were inseparable. We did everything together. At that time, directors were encouraged to get to know each other and be a driving force for the organization. We roomed together, ate together, went out at night together, and discussed and planned for the future of our regions. What a marvelous experience. The clubs I visited when I was Director were always so welcoming and glad I could attend their meeting. I made great friends during my year as Director Elect and Region V Director.

Biggest D & D Goal:

My biggest goal is to see Desk and Derrick be the educational tool it was set up to be. I believe we need to continue on a path of professionalism and keep away from the appearance of being a women’s organization. I see, from our busy lives, that commitment to an outside organization is a difficult choice for some people. I would like all members to make their clubs the place others want to be.

What do you want D & D to be:

I want our organization to be professional and above board, I want an organization that can make the tough decisions and still come out on top. Honesty, integrity, leadership, education, and treating each person with respect is what I want D&D to accomplish. I would like to see our organization come to the top and be all it can be.

What will you do to create that D & D:

I think each of us as individuals have to step up and do our part. Each person needs to be a faithful member of his or her own club, volunteer at your club level, but do not stop there, volunteer on the association level. Be an energetic and positive influence on everyone you meet. Be respectful and caring to other members all the while looking for new members. Be an encourager and a helpful member of your club, your region and the association as a whole.

I can truly say, Desk and Derrick has been a great organization for me. I have made friends, met people I would have never had the opportunity to meet, gone places I have never thought I’d see, and I have grown as an individual and as an employee.

What fun I have had: Trips all over the US and Canada, laughing until I cried, lost, seeing historic places, awesome work related field trips, seminars, meeting awesome friends and always looking forward to doing it again.

Let the good times roll.
From Oklahoma City

RIGHT OF WAY OR EASEMENT? By: Ann Mefford

Right-of-way or easement what are they or are they the same? April’s meeting brought Chris Gomez to give us an understanding of what it all means. Chris began in 2006 working in the oil and gas business checking titles at the courthouse and buying oil and gas leases. He later moved into the surface side of the business and more particularly into the right of way. He worked for Land Services, Inc in Blanchard, OK as a Landman and Right of Way Agent until 2014 when he Co-Founded Terra Resources, LLC in Oklahoma City. Terra Resources, LLC is a full service energy and right of way brokerage. He has worked on projects across the nation but the primary focus is in Oklahoma, Texas, and Kansas. He is an active member of the American Association of Petroleum Landmen and International Right of Way Association and serves as a Director for the local IRWA Chapter. He currently holds the designation of SR/WA which is the highest designation that you can receive from the International Right of Way Association.

Chris explained to our club that a right-of-way is a legal right, established by usage or grant to pass along a specific route through grounds or property belonging to another. An easement is a right to cross or otherwise use someone else’s land for a specified purpose. Most jurisdictions consider a right of way to be an easement. The grantor of an easement must have title to or an estate in, the land subject to the easement.

Chris jokingly said “I spends most his time at the court house.” He then explained that most of his job involves filing grant documents for the customers who are in need of the right-of-way. He explained that an easement or right-of-way is acquired through negotiations and then a grant. The grant is the document between the owner of the property and the party being granted the easement or right-of-way. This grant specifies the easement location and width and is then filed at the courthouse. Easements across Indian lands and condemnation (eminent domain) are handled differently and require additional documents and processes. Filing the grants is important to ensure no one is trespassing or encroaching on another’s land which could result in legal problems later. Right-of-way and easement go hand in hand and it seems there really is no difference. Some people call it easement and others call it right-of-way but, it all comes to down to making sure the grant is signed and filed so everyone is in agreement and it is done legally.

Reprinted from May issue of the OKC Derrick Lights
**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.

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**2018 ADDC Board of Directors**

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