

ADDC Insight

June 2016

Greater Knowledge ~ Greater Service

FLASHBACK

June 6, 1944 – Secret Operations fuel WWII Victory

The first U.S. patent for an offshore oil drilling rig is issued to Thomas Rowland, owner of Continental Iron Works in Greenpoint, New York, for his “submarine drilling apparatus.”

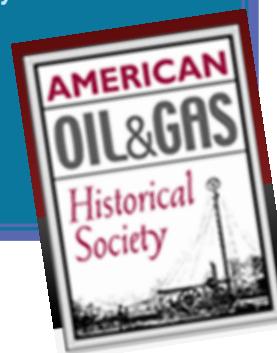
The D-Day invasion begins along 50 miles of fortified French coastline in Normandy. The logistics of supplying the beaches include two top-secret engineering triumphs: construction of artificial harbors followed by the laying pipelines across the English Channel.

Codename Mulberries and using a design similar to today's jack-up offshore rigs, the artificial harbors use barges with four retractable pylons to provide platforms to support floating causeways that extend to the beaches.

To fuel the advance into Nazi Germany, Operation PLUTO (Pipe Line Under The Ocean) will engineer pipelines wound onto giant floating “conundrums” designed to spool off when towed. Gen. Dwight Eisenhower acknowledges the significance of this oil pipeline engineering feat when he says, “Second in daring only to the Mulberry Harbours, was PLUTO.” Read more in PLUTO, Secret Pipelines of WW II.



Operation PLUTO spooled cable-like pipelines across the English Channel to fuel Allied victory.



In This Issue

OILMAN, ENVIRONMENTALIST FIND COMMON GROUND



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TURQUOISE TAKEOVER: OKLAHOMA WOMAN'S SISTER RAISES LUNG CANCER AWARENESS THROUGH TEAM NIKKI



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Editor's Corner

If you have any announcements that require a quick response from your clubs or regions, please forward it to me at htrujillo@rlbayless.com and we will let the Association of Desk and Derrick Clubs know. We will try to complete the ADDC Insight by the 5th of each month.

Send me an email when something is going on in your club or events happening in your area. If your club has any news, has been in the news, has an event coming up – let me know!

We encourage every member, every club and every region to contribute. All suggestions are welcome.

This is the last year I will be doing the ADDC Insight, so anyone who would like to take over, let me or Connie Harrison know!

Thank you to all that have contributed articles, items and ideas for the ADDC Insight.



Helen Trujillo
Desk and Derrick Club of Farmington

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The deadline for ADDC Board Nominations is June 10th!

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ADDC President's Letter



Board of Directors

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 Valero Energy Corp.

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 K&E Computer Services

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 EXCO Resources Inc.

REGION V DIRECTOR
Monica Sanchez
 California Resources Corporation

REGION VI DIRECTOR
Tammy Watkins
 CTKW Petroleum Land Service, LLC.

REGION VII DIRECTOR
Cori Peever
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June 2016

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WHEN YOU LEARN, TEACH, WHEN YOU GET, GIVE...Maya Angelo

Well here we are at the half way mark for the year, it does not seem possible that 6 months have gone by but time does fly. I have been busy traveling and attending regional meetings which were wonderful and quite educational. I attended 4 regional meetings, Region IV, V, VI, and VII. What incredible field trips and seminars I attended. And met some wonderful people along the way and got to see some dear friends too. Thank you all for your hospitality. I am saddened that I could not attend all the region meetings but seems there are not enough hours in the day or week to do this effectively. But I was there in spirit and I know some of the other board members attended.

Congratulations to the new RD Elects for all the regions. You will begin to receive emails from the present board. These are for your information only and to get you acquainted with the workings of your association board.

I hope everyone has seen the 2016 Convention Packet which is out on the website. Please make your plans to attend this Convention and Educational Conference. You will have many field trips and seminars to choose from. I urge everyone to attend and get educated and help move this association forward.

To date we have 1552 members across the association. This is 242 short of our goal of 1800 for the year so I have a challenge for each member....If each club would recruit 5 new members we will more than meet our budget for 2016. And remember that we have the Potential Member Reimbursement Program for clubs to take advantage of. Please utilize this program to gain new members. You might be surprised who will agree to come to a meeting, all you have to do is ask.

As you may or may not know we have taken the DDJ to a complete digital format which saves the association approximately \$25,000.00 a year. You can still get hard copies for use as a recruiting tool and for expos and meetings. Contact Andre for these orders.

Have a wonderful and educational June and keep recruiting, renewing and rejuvenating our membership and PLAN TO MATTER everyday!!!!!!

Connie Harrison
 2016 ADDC President

President Elect Letter



Board of Directors

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 CTKW Petroleum Land Service, LLC.

REGION VII DIRECTOR
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My Ongoing Adventures with D&D and the Semicolon

When I joined ADDC I never knew how much I would get to travel. My original impression of D&D was that of a local club. I guess in the back of my mind I knew there was more, but it never really struck me how much the Association encompassed. Now, I have been to Calgary, Lafayette, Houston, and Great Bend (Kansas, not Indiana), just to name a few places. I always enjoy the meetings and educational opportunities, but getting there has become a challenge.

Since January, I have gotten stranded in Atlanta twice, my luggage has flown in the opposite direction of my destination, and let us just say, I have gotten quite accustomed to the sprint through Houston's airport. Those are just the flights! I have dealt with the grumpy, the disgruntled, the drunk, and slap happy. I've rented cars to replace flights, slept in airports, and eaten some of the best and worst food the airport has to offer. Did I mention I hate flying?

This really correlates to my experiences in Desk and Derrick. Any stressful situation can bring out the worst or best in anyone. I've seen members become grumpy, disgruntled, and slap happy. It's just part of life. What people tend to forget is that sometimes, situations are out of your control. Just like it's not the girl behind the check-in counter at the airport's fault that my flight is 3 hours late, it's not necessarily someone's fault that a meeting or event doesn't go the way it was planned.

We must try to remember that we are all human. Our members are all volunteers, and for the most part planning everything on their own time. I'm not perfect; I admit I get short with people when I'm frustrated when plans fall through. I do try to be better. One thing that has helped me, believe it or not, is the semicolon. Yes the punctuation mark with the dot above the comma. I know, you're all starting to think I've gone off the deep end. I promise you I haven't. Think of what it is used for. A semicolon is added to a sentence to make the reader stop, and pause. In my case, I use it to remind me to stop, pause, and take a breath before I speak. This is something we can all do in frustrating situations.

- 1) Stop – that's it just stop. Don't react immediately. Stop
- 2) Pause – Take a moment to think about what went wrong, how it can be corrected, what you can do instead or to better the situation.
- 3) Take a breath – Really this is important, take a deep breath. It will help you calm down and focus.

My travels this year are far from over. As a matter of fact, I am writing this letter on the plane, on my return trip from Galveston. I have at least 3 more trips planned this year alone. I know something at some point will be delayed or extremely inconvenient. But if I remember the semicolon, I will be able to better handle the situations.

Maggi Franks



Region I Director's Newsletter

Cheryl Charie

Region I Director

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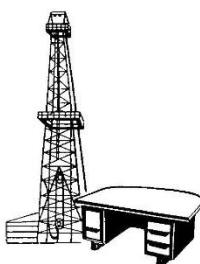
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ASSOCIATION OF
DESK AND DERRICK
CLUBS

June, 2016

Hello Fellow Members,

I am extremely proud and honored to report to you that our Regional meeting was outstanding! We had over 60 attendees! Thank you, Three Rivers and Penny Jacobs, GAC for your team's efforts and exceptional meeting!! We were lucky to have Val Williams 2004 ADDC President, Maggie Franks, 2017 President Elect and Kathy Bickel, Region II Director in attendance. Their input and expertise was very helpful throughout the weekend.

On Thursday the Drilling Certification and Personal Development classes were educational and enjoyed by all the attendees. Thursday night's Icebreaker was a great way to network and re-unite with friends and colleagues. Then on Friday with our historical/current rig, production and Mark West tour, we experienced from start to finish the life cycle of well development. Friday night's carnival was a blast! We had a taste of Pittsburgh cuisine, games, balloon artist (he was unbelievable). The creations he came up with were entertaining and amazing.

Saturday's business session was an eye opener and we have some decisions to make. Please submit your suggestions by June 30th for the following: What to do with the extra funds we have in the Region I fund; 2020 Convention location in our Region; volunteer opportunities for that meeting. Each President's report on Saturday was very informative and enlightening as to their clubs achievements and activities.

Saturday's luncheon was educational and enjoyable with Pam Walasky's presentation on safety in our industry.

Saturday night's award dinner was a great finish to our meeting. Joe Frantz updated us on the current state of our industry. He was very informative and he did research on Desk and Derrick. That is impressive. Also, congratulations to all our AIMEE award winners presented by Maggie Franks (who won a few awards herself). Best of luck to you at Convention in Denver, September 21 – 24, 2016. I could go on and on how we hit a 'HOME RUN' at our Regional Meeting.

There are several reminders:

- Please contact Kathy Tawney to volunteer for an ADDC committee in 2017 to be the Region I representative, as soon as possible.
- Distinguished Service award nominations send to Donna Taylor deadline July 1st
- Special Achievement Award nominations send to Donna Taylor deadline July 1st
- Convention registration deadline is postmarked before July 31st. (see website).

Hope you will be able to attend Convention and as always, if you need anything, please contact me. Best Regards, Cheryl

Region II Director's Newsletter



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JUNE, 2016

It's Memorial Day Weekend...the start of our Region's unofficial summer. I am so blessed to live in beautiful northern Michigan, with white sandy beaches, crystal clear waters, festivals and farm markets. It's a time to replenish the soul and rejuvenate the spirit. To all members in Region II, may your summer be filled with family, friends, barbecues and bonfires. Summer is upon us!

I traveled to Pittsburgh in May to attend the Region I Meeting, hosted by the Three Rivers Club. Thank you Cheryl Cherie, Region I Director for your hospitality and leadership. It was an educational experience on the Marcellus Shale and the impact this geological formation has on the energy world. As I walked into the banquet on Saturday evening, a gentleman and his wife were looking lost in the hallway of the hotel. I asked if I could help him, and he replied "I'm the speaker for the ADDC Region Meeting". As I introduced myself, he turned to me and said, "I recognized you from the Website". How many others are out there, searching for us? How do we connect with them? Our Region needs to implement a Region II website so potential members can find us with a click of the mouse. Upon ADDC Board approval, a Region II website will happen!

Registration Packets are now available on the ADDC website for the 65th ADDC Convention In Denver, Colorado from September 21-24, 2016. I urge everyone to attend and be rejuvenated by our great organization. If you have never attended a convention, now is the time...you won't be disappointed.

I will admit, I am tired. My mind thinks I'm 30 but my body tells me otherwise! The first six months as your Region II Director has been hectic, exciting, but so fulfilling. I never stop learning about the oil and gas industry that has been my career and I never forget about Desk and Derrick and all it encompasses. Most important, I never stop caring about the members whose hearts and minds are what keep our organization so vital.

And let's not forgot to honor those who served our Country to keep our nation safe this Memorial Day. We salute you!


Kathy

"And so with the sunshine and the great bursts of leaves growing on the trees, just as things grow in fast movies, I had that familiar conviction that life was beginning over again with the summer". - F. Scott Fitzgerald



Region III Director's Newsletter

Theresa Adams

Region III Director

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June, 2016

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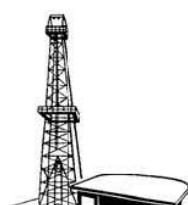
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Dear Region III Members:

Region 2016 Meeting is a lovely memory now. The Morgan City members planned and presented an educational and fun-filled regional meeting. Claudia Prather, 2017 Regional Director-Elect would welcome your help. Contact her if you wish to serve as a regional representative on any of the ADDC committees. She will work with Maggi Franks, 2016 ADDC President-Elect to fill all the Region III positions.

It is difficult for me to believe that the first six months of 2016 have come and gone! Seems like yesterday that I accepted the gavel from Val Blanchard in Bossier City. How time flies when we're having fun!

An important date this month is **June 10, 2016 - the deadline to submit nominations for ADDC Officers**. So, if you have served as Regional Director and are interested in pursuing an ADDC officer position, **please be sure to send your information to your club president for club approval. Your club must complete documentation and mail prior to the 10th of June!!**

Convention is fast approaching. Please check out the packet on the ADDC Website. There are a variety of field trips, seminars and other opportunities being offered by Region VII in Denver, Colorado, September 21 through 24, 2016. Deadline for registration is July 31, 2016. I hope you will consider joining us for a fabulous time in Denver!!

Should you have any concerns or issues you need to discuss with me, please feel free to contact me. I am here – for you the MEMBERS of Region III. I represent you on the ADDC Board.

REMINDER: Monthly program reports are due to Claudia Prather, Program Chairman, within a week of your meeting date.

Till next month,
Theresa

Region IV Director's Newsletter



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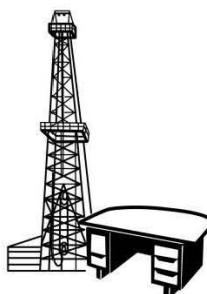
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June 2016

I am writing this letter as the Region IV Meeting held in Galveston just ended -- a shout out to the Houston Club and especially to GAC Donnisha Spicer and her committee. The memories of that weekend I will cherish always.

Just a few of the field trips the members attended was one to the "Ocean Star Offshore Drilling Rig Museum and Education Center where the visitors boarded the retired drilling rig and viewed a video about the offshore industry and then were able to tour the three-floor rig.

Another field trip went to the nanotechnology center at Rice University where the attendees learned that Rice has developed a procedure using nanotechnology and gold to inject material directly into cancer cells and tumors. The material is then targeted by a special laser which then kills the cancer cells and has been found to be very effective in mice.

At our business session, Maggi Franks, 2016 President-elect, gave an overview of the ADDC website and Val Williams, 2004 ADDC President presented to the membership "Guidance and Mentoring Empowerment or GAME.

BUT, the highlight of the Saturday's business session was the election of the 2017 REGION IV DIRECTOR Evelyn Green, San Antonio Club. Knowing Evelyn, Region IV will be in GREAT HANDS!

Even though the Region meeting is over does not mean we can stand on our laurels. Nomination for the ADDC Officer Nomination Form, can be found on the website. This form must be presented to Marilyn Carter by June 10. You can also find on the website, ADDC 16. Please complete this form and send to Maggi Franks. She is in need of Committee Volunteers for 2017. Consider filling any of the valuable roles from the Association or Regional level and even the Club level. It is a great way to learn more about all aspects of Desk and Derrick. Finally, don't forget the 65th Convention "Plant Knowledge Through Education," which will be held in Denver Colorado, September 21 - 24. I think by now you should know the routine, the registration form can be found under the tab "Convention - Members Only Information on the website.

Finally, if you find you are under the terminology of "Reduction in Force," or your company has filed Chapter 11, there is NO other organization that you can find solace or friendship than the Association of Desk and Derrick Clubs. Many of us have or are going through this. Don't give up, continue your membership, WE ARE THERE FOR YOU!

Until Next Time,

Mary T Vaughan

"What would you do if you weren't afraid." --Spencer Johnson

Region V Director's Newsletter

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on.com*June 2016*

Region V Members,

Can you believe we are half way thru the year? Bitter sweet feeling. I have enjoyed serving as your Region Director and now I am working with Joan Cartwright our 2017 RD Elect, with getting her the information she will need to have a successful year. I encourage all of the current presidents' to continue to be mentors to next year's presidents. I encourage all clubs to continue to bring in new members as we have so much to offer our membership. Don't forget the vast information available on our website.

The Convention Registration packet is available on our website. It will be a great meeting. Please make every possible effort to be in Denver this September. Don't miss out on the amazing field trips and seminars Region VII has planned. Do not forget the Cred1 form is due August 1 to Joan Cartwright (joan@burkroyalty.com) our Region V Registrar and ADO.

Hope everyone has a great start to their summer and remember to stay safe!
"Greater Knowledge~ Greater Service"

Thank you,

Monica Sanchez

2016 Region V Director

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"Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible."

Francis of Assisi

Region VI Director's Newsletter



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June 2016

Region VI Members,

Welcome everyone to summer 2016! I hope you all have a safe and blessed Memorial Day holiday and you were able to honor those who have served this great nation.

I am sure everyone is looking forward to a relaxing summer and looking forward to what Desk and Derrick has in store for you for the 2nd half of 2016. Hopefully with the nice weather your clubs are enjoying your golf tournaments and fieldtrips. Remember to check out Region VI's website to see what other clubs are doing...you might want to join them for a fieldtrip or seminar.

I know the summer is a time we all hope to slow down a little but please remember to start making your hotel reservations and send in your registration for the 2016 ADDC Convention held in Denver, CO from September 21, 2016 – September 24, 2016. The Convention packets are now available online at ADDC.org. I know the Denver club and all of Region VII are excited and eagerly awaiting our arrival.

Club program directors, please be sure you are sending in your monthly program reports so they can be turned in to ADDC in a timely manner.

It is also time to start thinking about the 2019 ADDC Convention. That is right, in 2019 Region VI we will be once again hosting the Convention. Your GAC crew consists on Anna Lewis-McBeth, Casi Nichols and myself. If you have any ideas or thoughts on fieldtrips, seminars, speakers, etc. please let one of us know.

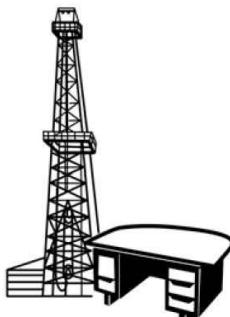
Please remember you can still post pictures to the ADDC Region VI Facebook page, to show everyone how exciting your club is and all the fun and educational things you are doing. Remember, you are the best publicity for this organization, both in your community and with your employer.

In closing, I hope everyone has a safe summer and remember the sunscreen!

Have a great month and I will see you all in Denver!!!!

Tammy Watkins
Region VI Director
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I may not be there yet, but I'm closer than I was yesterday.





REGION VII DIRECTOR
Cori Peever

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REGION VII DIRECTOR'S NEWSLETTER

June 2016

We're half way through the year and I can honestly say, that I had no idea what I was getting myself into when I allowed my name to stand for the role of Region Director. And that's not to say I have any regrets. I don't. Nor is it meant to imply that the experience has been negative in any way. It hasn't. It just simply means that I didn't know how much I didn't know, and that has proved to be a lot! But, and this is a big but, as always, there have been members and mentors every step of the way to help me navigate the path thus far and I'm looking forward to the months ahead.

Unfortunately I can't say I feel like I've made any significant achievements yet, nor can I tell you that I am exceeding any expectations, even my own. I can tell you though, that my desire and dedication have not wavered, and my participation in the Region VII meeting in Drumheller, only affirmed my commitment to my Club, my Region and the Association.

When I was approached about a theme for the Region VII meeting, I didn't have to consider or deliberate or ponder. I knew immediately, that it would be "Inspired to Action" and I fully expected to be doing my share of the inspiring. We all know that things have a way of not always turning out the way we expect and once again I found myself on the receiving end of the inspiration. The truth is, my participation in this Association, from my membership application, to contribution in club events, Chair positions, my Presidency last year, and maybe especially, the role of Region Director, have all been inspired by other members.

I have been inspired by members of my home club, members of other clubs, people I just met or became fast friends with, and at membership meetings, field trips, seminars and, of course at Regional Meetings. Sometimes I expect to be inspired, sometimes it sneaks up on me, but what I've come to realize, is that the common denominator is always me... And each and every time I show up, and I mean really "show up", I am inspired to action.

As predicted, I walked away from Regional with a renewed sense of purpose and commitment and the motivation to pay it forward...to inspire others the way I have been inspired.

So, I think the biggest achievement I could hope for would be to encourage others not just to attend, but to really "show up" for your Club; step up and get involved and undoubtedly, you will be rewarded with more inspiration, support and encouragement than you ever saw coming.

Cori

A handwritten signature in black ink, appearing to read "Peever".

ADO Letter



Board of Directors

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 Valero Energy Corp.

PRESIDENT ELECT
Maggi Franks
 K & E Computer Services

VICE PRESIDENT
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June 2016

"It can all be fixed . . . "- Sheryl Minear

11 years ago, when I was learning what "Desk and Derrick" was even about, I was very fortunate to have several mentors.

While I was thinking about this month's letter I began to reminisce a bit. I remembered that I had to learn what I had signed up for. I had to learn what was done in the past to keep the office running effectively. I had to learn new software . . . and all of this was a bit daunting. However, in learning the WolfePak Software, Sheryl Minear said this phrase and finally I was able to take a breath and not freak out! (*Unfortunately she has had to say that many more times throughout the years to help me correct entry errors.*) But please know that they have been fixed.

I lead off this letter with this story for the simple reason that I understand that learning and navigating the new website can feel daunting for some. Some have had challenges setting up their login credentials, forgot their username/password, etc. I would say to you what was said to me: *It can all be fixed!!!*

So with that said point and click away and explore the sight freely. If you run into trouble contact myself or our Webmaster, Wayne.

While you are there, please make sure that your contact information is correct. Click the link that says "Members – update Your Information" and this will allow you to make changes and updates.

So, breathe, relax and have fun. Know that, *It can all be fixed!!!*

André

Oilman, environmentalist find common ground

By James Fenton ([jfenton](#))

~Permission to reprint granted by



May 30, 2016

FARMINGTON — For years, oil and gas operator Tom Mullins and environmentalist Mike Eisenfeld have stood on opposite sides of some contentious debates over fossil fuels in the Four Corners region.

Mullins is the CEO of Synergy Operating LLC, a Farmington independent oil and gas company, and the northwest vice president of the [New Mexico Independent Petroleum Association](#).

Eisenfeld is the energy and climate programs manager for San Juan Citizens Alliance, a Durango-based environmental advocacy group.

The two Farmington men recently found themselves in a conversation at a press conference for stakeholders held to express concerns over the economic impacts posed by pending U.S. Bureau of Land Management oil and gas rules.

Mullins said the cumulative impact of federal regulatory changes such as the BLM's onshore orders and venting and flaring rule along with the U.S. Environmental Protection Agency's methane rule that was [finalized earlier this month](#) put independent operators in the San Juan Basin at risk of shutting in wells or closing them.

[The event](#) drew all four San Juan County mayors along with city managers, school superintendents and other community leaders.

After the event, Mullins and Eisenfeld shook hands, and were sparked into discussion by apparent common ground with their mutual [frustrations with the federal government](#).

"We've both got issues with the BLM," Eisenfeld said.

Eisenfeld said he strives to strike a balance between responsible energy development and the protection of environmental and public health.

A supporter of the "free market" philosophy, Mullins suggested the oil and gas industry would be better managed by the courts, not the federal government.

"You could have no regulation at all, which would be one way of having it," Mullins said. "If you have a free-litigation market situation, you could not have any regulators at all and the free market — if you're an out-of-compliance operator doing things poorly, damaging the public — entities that will sue you will bring you into compliance and take your money if you're not."

"And then you have entities that create regulation, and we put the burden on the regulator, forcing provisions to keep everything in line and then we both beat up the regulator by saying, 'Well, the regulator needs to be doing more, the regulator isn't interpreting this thing right' and we spend all of our time in that process," Mullins said.

Mullins said he believes both sides in the oil and gas regulatory debate agree that waste is a bad thing.



"I don't think anybody wants to waste anything," Mullins said. "When any regulation or any imposition requires people to do things that make no sense, I would think that that's where the common ground comes in and we say, 'Well, that doesn't make sense.' I'd rather see us do things in areas that make sense if you can't comply or there's a cost burden. Hopefully that makes a better community. But it's tough out there right now."

Eisenfeld said his gripe with the BLM is over its slow action. Mullins doesn't like its illogical and economically damaging rules.

Oilman, environmentalist find common ground (cont.)

"The reality here is that we need to put our thinking caps on," Eisenfeld said. "As long as there's that shut-off dialogue, we're going to get confrontational and abrasive ... With the BLM, we should be (saying) that all of us want better planning because they can't turn out any documents. They're not doing their analyses. Where I'm burned up is that (the BLM) announces their ([Mancos-Gallup Resource Management Plan Amendment and Environmental Impact Statement](#)) and it's delayed until 2018 and it's business as usual. And that's where the flaring's happening."

Mullins said the industry is being creative to [reduce flaring times](#).

"The only flaring that I see going on (in northwest New Mexico) is ... of a quality of natural gas that's not salable," Mullins said. "Because when we stimulate a well with a 70-quality nitrogen fluid to conserve water usage ... a good percentage of that nitrogen's coming back. If you can't put it into the pipeline, then what do you

do with it? So, from an engineer's standpoint, if you have no flaring, you use more water, but then the well won't flow back."

Eisenfeld does not make blanket condemnations, "To these guys' credit, they're using less water," he said. "It's a very visual thing for the public."

Eisenfeld said more substantive dialogue is needed in the debate over fossil fuel production in the San Juan Basin to create progress that satisfies all stakeholders.

"I respect what you do and what you say," Eisenfeld told Mullins. "I think that that's something that is missing in other communities. There is some understanding of what it all means that is lacking (elsewhere)."

Mullins said many oil and gas officials are leery of walking into a room to try to have a reasonable debate on the industry and the environment given the tone and tenor of many of the events where the two sides routinely clash and come away with little or no deeper understanding of the issues.

They joked that if they both hosted a forum for an open, substantive dialogue, the premise alone might dampen turn-out.

"I think we're both trying to do what's right," Mullins said.

Remember to send your club meetings, Region Meetings and Convention photos that can be included in the scrapbook for our President Connie Harrison to commemorate her year as our ADDC President! Make sure to send details! Send them to:

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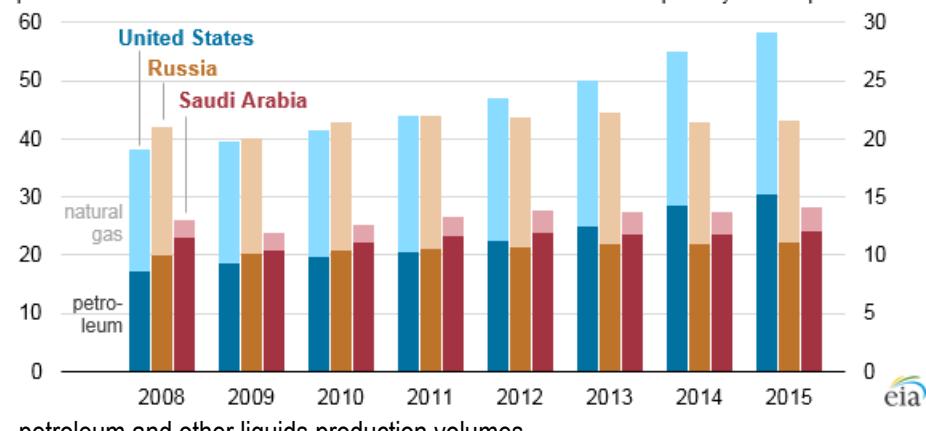
United States remains largest producer of petroleum and natural gas hydrocarbons

By Linda Doman

~Permission to reprint granted by



Estimated petroleum and natural gas hydrocarbon production in selected countries
quadrillion British thermal units



petroleum and other liquids production volumes.

Throughout 2015, U.S. crude oil prices remained relatively low, with the spot price of West Texas Intermediate crude oil declining from \$47 per barrel in January to \$37 per barrel in December. Despite low crude oil prices and a 60% drop in the number of operating oil and natural gas rigs, U.S. petroleum supply still increased by 1.0 million barrels per day in 2015. U.S. natural gas production increased by 3.7 billion cubic feet per day, with nearly all of the increase occurring in the eastern United States.

Increases in U.S. petroleum and natural gas production over the past several years are directly attributed to production from tight oil and shale gas formations. Several factors kept hydrocarbon production increases in Russia smaller than increases in the United States in 2015. Although Russian petroleum production continued to increase, natural gas production declined because of poor economic conditions and a mild winter, which resulted in lower domestic demand for natural gas. Russia's total combined production of petroleum and natural gas increased by just 0.1 quadrillion Btu in 2015.

In contrast to past actions to raise or lower oil production levels to balance global oil markets, Saudi Arabia did not reduce petroleum production in late 2014 or 2015, even as oil prices fell and global inventories of oil rose. As a result, Saudi Arabia's total petroleum and natural gas hydrocarbon production rose by 3% in 2015. Still, the United States produced more than twice the petroleum and natural gas hydrocarbons as Saudi Arabia produced in 2015.

In the May [Short-Term Energy Outlook](#) (STEO), U.S. petroleum and other liquid fuels production is expected to decline from 15.0 million barrels per day (b/d) in 2015 to about 14.5 million b/d in both 2016 and 2017. In contrast, STEO forecasts Russian liquid fuels production to remain at about 11.0 million barrels per day through 2017. STEO publishes a production forecast for Middle Eastern members of the Organization of the Petroleum Exporting Countries (OPEC) as a whole rather than for individual countries in the region. However, there is currently no indication now Saudi Arabia plans to reduce its current level of petroleum production.

May 23, 2016 - The United States remained the world's top producer of petroleum and natural gas hydrocarbons in 2015, according to U.S. Energy Information Administration estimates. U.S. petroleum and natural gas production first surpassed Russia in 2012, and the United States has been the world's top producer of natural gas since 2011 and the world's top producer of petroleum hydrocarbons since 2013.

For the United States and Russia, total petroleum and natural gas hydrocarbon production, in energy content terms, is almost evenly split between petroleum and natural gas. Saudi Arabia's production, on the other hand, heavily favors petroleum. Total petroleum

production is made up of several different types of liquid fuels, including crude oil and lease condensate, tight oil, extra-heavy oil, and bitumen. In addition, various processes produce natural gas plant liquids (NGPL), biofuels, and refinery processing gain, among other possible liquid fuels.

In the United States, crude oil and lease condensate accounted for roughly 60% of the total petroleum hydrocarbon production in 2015. An additional 20% of the U.S. production was natural gas plant liquids. Biofuels and refinery processing gain make up most of the remaining U.S.

Region I Meeting

Submitted by Penny Jacobs
Three Rivers Desk and Derrick Club

Pittsburgh, PA



65th Annual ADDC Convention and Educational Conference

Submitted by Jerry Rasmussen
Desk and Derrick Club of Denver



The 65th ADDC Convention in Denver, CO, September 21-24, 2016



Convention Headquarters: Crowne Plaza Hotel, downtown Denver, \$169
single-quad occupancy

https://resweb.passkey.com/Resweb.do?mode=welcome_gi_new&groupID=58360383

Airport to Downtown Options: RTD A-Line Commuter Rail \$9 one way to Union Station - then the free Mall shuttle bus to Glenarm, one block from the hotel; Uber; Cab; Super Shuttle

Field Trips, Seminars, Certification Class
An Evening of Reminiscing

Registration Packet is on the [ADDC Website](https://resweb.passkey.com/Resweb.do?mode=welcome_gi_new&groupID=58360383)

Turquoise takeover: Oklahoma woman's sister raises lung cancer awareness through Team Nikki

By Carla Hinton, The Oklahoman

~Permission to reprint granted by Linda Lynn



May 10, 2016 - In the coming days, Wendy Sparks will don a turquoise scarf or blouse to call attention to lung cancer, the No. 1 cancer killer of women and men in the United States.

The Paoli resident's penchant for the color is intentional, in more ways than one.

Turquoise is the color associated with lung cancer awareness, and Sparks, 45, has been raising awareness about lung cancer ever since her beloved sister Nikki Steinman was diagnosed with the disease. She succumbed to it in 2013 at age 38.

In conjunction with National Women's Lung Health Week, observed the second week of May, the American Lung Association is sponsoring the third annual Lung Force Turquoise Takeover to shed light on the incidence of lung cancer and the need for research funding.

The Turquoise Takeover initiative will be Thursday through Monday nationwide, with people and organizations using everything from lighting for fountains and high-rise buildings to social media to advocate for lung cancer awareness.

Jeremy Hughey, executive director of the American Lung Association in Oklahoma, said the hope is that the Skydance Bridge and Devon Tower will be lit up with turquoise lights at some point during the Turquoise Takeover initiative.

About Sparks, he said she has been working to raise funds for more lung cancer research for several years, but she joined the

American Lung Association's Lung Force initiative this year and was named a Lung Force Hero by the Oklahoma affiliate.

As such, Sparks traveled to Washington, D.C., in March to urge Oklahoma congressional leaders to do their part to continue bipartisan momentum toward defeating lung cancer.

Hughey said Sparks has been committed to sharing her sister's story with others, which helps his organization spread the word about lung cancer. He said she was one of two people who received the American Lung Association's national 2015 Volunteer Excellence Award.

He said Lung Force Heroes are typically individuals who are surviving lung cancer or who represent someone who has died as a result of the disease.

"The American Lung Association is really dependent upon our volunteers to help tell the story, otherwise we're just talking generically about lung health," he said.

Sparks said she could do no less in memory of her sister and all of the men and women around the U.S. battling lung cancer every day.

Focusing on positive

Sparks said she remembers the short months from her sister's diagnosis to her death like they just occurred.

She said her sister was a positive force in what many would deem a negative situation.

Sparks said her sister was director of behavioral health at the Oklahoma City Indian Clinic when she saw a billboard about a local hospital offering reduced fees for a heart scan. Sparks said her sister decided to get tested and eventually was encouraged to see a doctor about something suspicious that was found during her scan.

Sparks said she attended the doctor's visit with her sister and realized the seriousness of the situation right away.

"I saw the doctor type in lung cancer. She didn't see it," Sparks said. "I was in total shock."

Sparks said doctors developed a plan to shrink a cancerous tumor found just outside the lining of her sister's lung through chemotherapy, and this treatment helped significantly. However, doctors soon found another tumor in one of Steinman's femurs

Turquoise takeover (cont.)

(thigh bones), and the cancer eventually spread to her other leg, spine and then to her brain.



Wendy Sparks holding a picture of her sister Nikki Steinman.
[Photo by Jim Beckel, The Oklahoman] Wendy is a member of the Desk and Derrick Club of Oklahoma City.

Sparks said her sister died seven months after being diagnosed with lung cancer.

"She had the most amazing attitude. Not a day was she negative," Sparks said.

Winning for 'Team Nikki'

Sparks said she created "Team Nikki" after the initial diagnosis, to help raise funds for her sister's treatment.

Sparks said her family is originally from Seminole, and people from that city were extremely supportive, gathering around her sister and eventually raising \$10,000 to pay some of her bills and travel expenses.

Team Nikki eventually evolved into groups of friends and family members who participate in various fundraisers for the American Lung Association.

Sparks said she and Team Nikki recently completed their third "Fight for Air Climb" fundraiser at Leadership Square in downtown Oklahoma City. Team Nikki also has participated in the American Lung Association in Oklahoma's annual Lung Force Walk. The 2016 event is set for June 18 at the Myriad Gardens.

Hughey said Sparks' advocacy work as a Lung Force Hero and leader of Team Nikki has given legs to her sister's story of courage.

"It gives longevity to Nikki's life, and it expands the reach of the lung cancer story," he said.

Sparks agreed. "Nikki would love this," she said.

Kudos

About May's Region III Director Letter by Cori Peever, Alberta Foothills Club

Cori, I just read your Director's letter in the May Insight about regional meetings and THOROUGHLY enjoyed it, especially the second to last sentence:

So, I encourage all of you to participate, even if you start out like I did; skeptical and reluctant, arms crossed and scowling, throwing an internal, poopy pants fit as you walk through the door.

I'm sure there have been MANY others just like you who initially thought a regional meeting was a waste of their precious time, only to find out just the opposite! Even I woke up this morning, grumpy and groggy, and thought to myself, "UGH – I have to pack for the Region I Meeting this weekend." But I know when I come home from that meeting I will be thanking my lucky stars that I was able to attend, and will relive the memories and friendships for many years to come!

~Natalie S. McClelland
Buckeye Club

Region II Meeting

Submitted by Kathy Bickel
Bay Area Desk and Derrick Club

59th Annual Region II Meeting



Region II Meeting (cont.)



Viewpoint

Colorado Supreme Court embraces the rule of law, not the fear mongering of the anti-fossil-fuel movement

~Permission to reprint granted by Marita Noon, Citizens' Alliance for Responsible Energy (CARE)

On Monday, May 2 the Colorado Supreme Court ruled on what the New York Times (NYT) called: "a lengthy battle for energy production." The court's unanimous decision to strike down two cities' limits on fracking is a victory for oil-and-gas companies and a "disappointment" to anti-fossil-fuel activists. Several states, including Colorado's neighbors, New Mexico and Texas, have faced similar anti-oil-and-gas initiatives that have also been shot down.

The Colorado Supreme Court reached the same conclusion as the lower court: the fracking bans put in place by Fort Collins and Longmont are "invalid and unenforceable" because state law trumps the local ordinances. A report from Colorado Public Radio states: "The ruling will have an impact on other Front Range communities--including Broomfield, Lafayette, and Boulder--that have approved restrictions on fracking. The court clearly said that these efforts are illegal."

The consequences of the decision are "comparatively small," according to NYT, as the land now opened up for exploration represents only a fraction of Colorado's oil-and-gas development. "More significant, said experts on both sides of the conflict, is that the rulings shut down future efforts to stop fracking in local jurisdictions." Colorado Attorney General Cynthia Coffman said that she fears the ruling will not end the divisive

debate. "Instead some activists will continue to push anti-development initiatives undermining the state's record of local cooperation on these policy issues."

The NYT points out: "Spurred by the rise of hydraulic fracturing, Colorado has become one of the nation's largest producers of oil and gas. The state has more than 50,000 active oil and gas wells."

According to a press release, the Colorado Petroleum Council "welcomed the decisions for upholding the state's primacy in overseeing oil and natural gas permitting and curtailing 'arbitrary bans' on fracking that could cost local jobs, deprive state and local governments of tax revenue and limit access to energy resources."

Upon hearing the news, I tweeted: "Great news! Colorado Supreme Court Strikes Down Local Fracking Bans." Almost immediately, @AllNewSux responded: "@energyrabbit Hooray...now we can all drink poisoned water here in Colorado!"

What is @AllNewSux thinking? He is regurgitating outdated propaganda as study after study--though funders are disappointed with the results--determine, as did the three-year study by the University of Cincinnati released in February: "hydraulic fracturing of oil and gas wells ... does not contaminate ground water."



The University of Cincinnati study, reports the Free Press Standard: "aimed to measure methane and its sources in groundwater before, during and after the onset of fracking." It concluded, "dissolved methane was detected in all sampled wells, however, no relationship was found between the methane concentration and proximity to natural gas wells." The results of the study were released by Dr. Amy Townsend-Small, the lead researcher, during a February 4 meeting of the Carroll County Concerned Citizens in Carrollton, OH--part of a coalition of anti-fracking groups. Townsend-Small stated: "We haven't seen anything to show that wells have been contaminated by fracking." Her revelations must have been a shock to the group whose pre-meeting promotion included this comment: "We saw the debate about fracking's impact on groundwater methane in Pennsylvania and the results of failing to have predrilling or baseline data for comparisons. Dr. Townsend-Small's study provides landowners with that baseline data and helps to differentiate shale sources from non-shale sources of methane."

The Free Press Standard asked Townsend-Small about plans to "publicize the results." She said there were "no plans to do so." Why? "I am 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

Viewpoint

Colorado Supreme Court embraces the rule of law (cont.)

and so they were hoping this data could lead to a reason to ban it."

Just a few months earlier, October 2015, a Yale study, reported in Nature World News, came to the same conclusion: "Fracking does not contaminate drinking water." The article, which ties in an earlier EPA report, states: "Yale researchers have confirmed that hydraulic fracturing--also known as 'fracking'--does not contaminate drinking water. The process of extracting natural gas from deep underground wells using water has been given a bad reputation when it comes to the impact it has on water resources but Yale researchers recently disproved this myth in a new study that confirms a previous report by the Environmental Protection Agency (EPA) conducted earlier this year."

Then there is the 2014 research from Duke University's Nicholas School of the Environment that found: "(The) gas data appear to rule out gas contamination by upward migration from depth through overlying geological strata triggered by horizontal drilling or hydraulic fracturing." Addressing the study, Hoppy Kercheval, in the West Virginia MetroNews, said: "Fracking opponents should be held accountable as well, and this new research illustrates some of their alarmist proclamations are just wrong."

In 2013, the "highlights" of a study on the Fayetteville Shale in north-central Arkansas announced: "No relationship between methane and salinity in groundwater and shale-gas wells."

A year earlier, an EPA study that sampled well water at 61 homes in the famed Dimock, PA area, and

"found health concerns in only five of them." According to the Washington Times, "drilling is not the root of the problems in Dimock" as "the substances found include arsenic, barium and manganese, all of which are naturally occurring."

The aforementioned studies don't include myriad comments from public officials stating the same thing.

Perhaps, this preponderance of evidence is what caused so-called expert Anthony Ingraffea to base his recent testimony at the federal trial regarding whether Cabot Oil & Gas was a "nuisance to two families" on "speculation." In its coverage of the "sparsely attended" February 2016 trial, Philly.com points out: the plaintiffs were "unable to establish that chemicals from hydraulic fracturing got into their water, or that the drilling caused illness." Coverage at the conclusion of the trial added: the plaintiffs "maintained that the methane contamination disrupted their lives and deprived them of the enjoyment of their property."

During the trial, the plaintiff's expert witnesses, both known anti-drilling activists, each acknowledged that they had no direct proof of claims they were there to support. Under cross-examination, hydrogeologist Paul Rubin admitted that he had not identified a specific pathway from any of Cabot's natural gas wells to the plaintiff's water supply. Regarding his "theory" about causation of the plaintiff's allegedly impacted water, Ingraffea, was asked: "In

fact, you're going to tell me I think or I'll ask you that's speculation on your part, it is not?" He responded: "You can call it that, sure." The questioning continued: "You don't have any direct proof of that, right?" Ingraffea agreed that he didn't have direct proof and said his theory was "most likely" the cause.

Additionally, the trial discovered that the plaintiff's water troubles actually began months before Cabot began drilling nearby. The judge repeatedly called out the plaintiff's attorney for going "over the line." U.S. Magistrate Judge Martin C. Carlson dismissed the property damage claim against Cabot, because as Philly.com reports: "the plaintiffs introduced no evidence that their property values had been affected." Additionally, one of the plaintiffs, Scott Ely, "spent \$700,000 to build his 7,000-square-foot home--after the water went bad." Carlson, however, ruled that the plaintiffs had "elicited enough evidence that Cabot had been a nuisance." A jury awarded \$4.24 million to the two families based on nuisance.

Anti-fracking activists, like @AllNewSux, likely point to the award (which is being appealed) and see it as proof that fracking contaminates ground water. Though, a careful read reveals that no such evidence was found--only the "most likely," theory, and speculation common among anti-fossil fuel claims.

One has to wonder how many more studies and court cases have to be carried out before the fear mongering and activist community finally stop wasting public money to kill jobs and raise energy costs.

Viewpoint

Colorado Supreme Court embraces the rule of law (cont.)

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Viewpoint

Colorado Supreme Court embraces the rule of law (cont.)

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The author of *Energy Freedom*, Marita Noon serves as the executive director for *Energy Makes America Great Inc.* and the companion educational organization, the *Citizens' Alliance for Responsible Energy* (CARE). She hosts a weekly radio program: *America's Voice for Energy*-which expands on the content of her weekly column. Follow her @EnergyRabbit.

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During the trial, the plaintiff's expert witnesses, both known anti-drilling activists, each acknowledged that they had no direct proof of claims they were there to support. Under cross-examination, hydrogeologist Paul Rubin admitted that he had not identified a specific pathway from any of Cabot's natural gas wells to the plaintiff's water supply. Regarding his "theory" about causation of the plaintiff's allegedly impacted water, Ingraffea, was asked: "In fact, you're going to tell me I think or I'll ask you that's speculation on your part, it is not?" He responded: "You can call it that, sure." The questioning continued:

"You don't have any direct proof of that, right?" Ingraffea agreed that he didn't have direct proof and said his theory was "most likely" the cause.

Additionally, the trial discovered that the plaintiff's water troubles actually began months before Cabot began drilling nearby. The judge repeatedly called out the plaintiff's attorney for going "over the line." U.S. Magistrate Judge Martin C. Carlson dismissed the property damage claim against Cabot, because as Philly.com reports: "the plaintiffs introduced no evidence that their property values had been affected." Additionally, one of the plaintiffs, Scott Ely, "spent \$700,000 to build his 7,000-square-foot home--after the water went bad." Carlson, however, ruled that the plaintiffs had "elicited enough evidence that Cabot had been a nuisance." A jury awarded \$4.24 million to the two families based on nuisance.

Anti-fracking activists, like @AllNewSux, likely point to the award (which is being appealed) and see it as proof that fracking contaminates ground water. Though, a careful read reveals that no such evidence was found--only the "most likely," theory, and speculation common among anti-fossil fuel claims.

One has to wonder how many more studies and court cases have to be carried out before the fear mongering and activist community finally stop wasting public money to kill jobs and raise energy costs.

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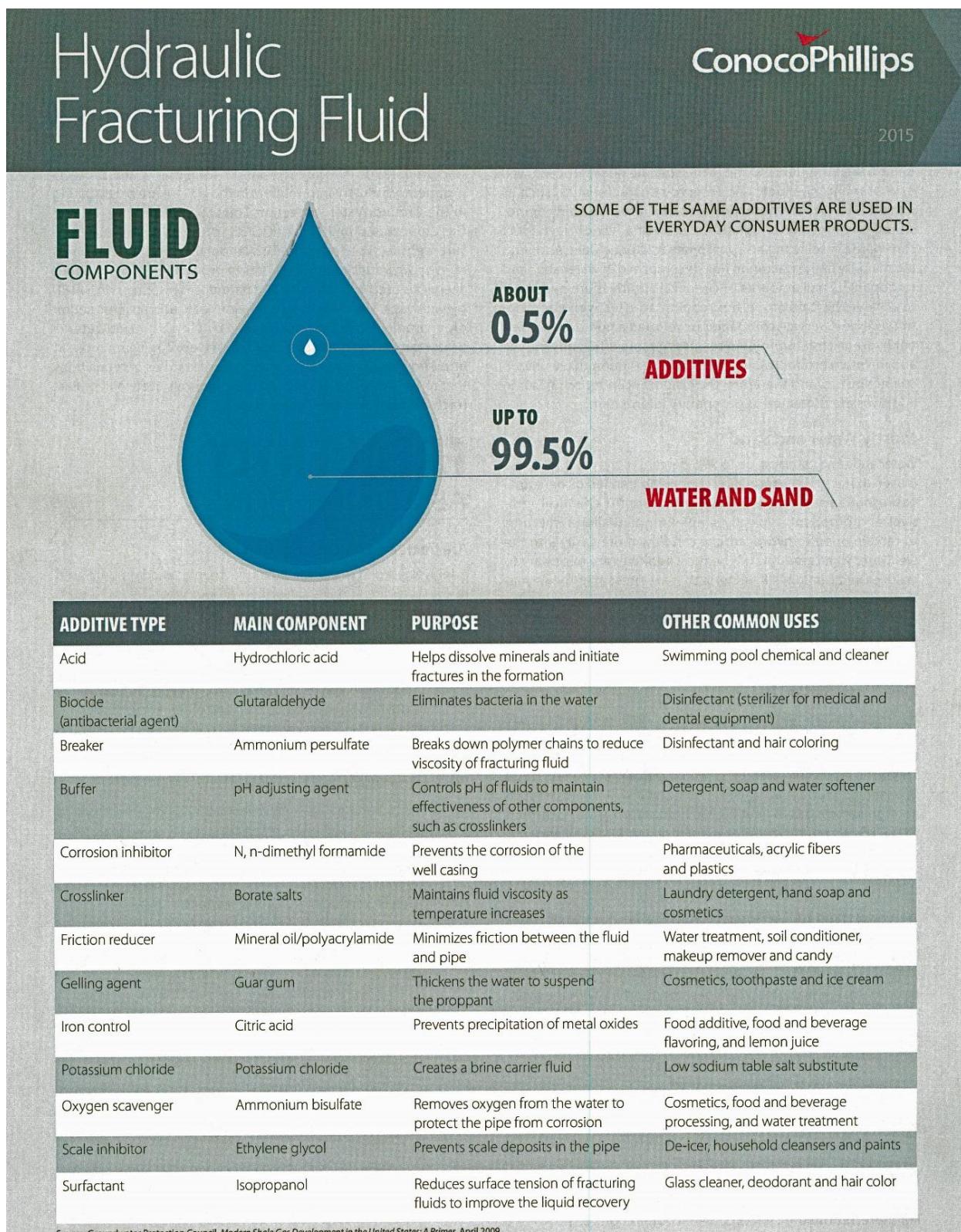
Frac Information

Submitted by Shacie Murray
 Desk and Derrick Club of Farmington
 ~Permission to reprint granted by



There's Power in Cooperation™

Shacie received this information in her Region V Certification Class.



Frac Information (cont.)

Hydraulic Fracturing Fluid



Customized for Each Reservoir

Our engineers work with service company experts to tailor fracturing fluids to meet the specific needs of each well environment. Geologic and reservoir characteristics, such as mineralogy, rock strength, permeability, reservoir fluid composition, pressure and temperature, are just a few of the factors considered in selecting an appropriate fracturing fluid. Although the majority of the fracturing fluid is composed of water and sand (proppant), small amounts of chemical additives are necessary to achieve the fluid properties required to effectively stimulate the reservoir. Service companies developed a number of different hydraulic fracturing fluid recipes to more efficiently induce and maintain productive fractures. These solutions have unique characteristics, and therefore, the exact concentrations of some additives are protected as proprietary information.

Mostly Water and Sand

Water and sand comprise up to 99.5 percent of the mixture. Water is used to fracture the formation containing trapped oil or natural gas resources and acts as the carrier fluid for the chemical additives and proppant (typically sand). Proppant allows fractures to remain open so hydrocarbons can flow more easily into the wellbore. Small amounts of chemical additives are necessary to reduce fluid friction, kill bacteria that are present in the formation and enhance the fluid's ability to transport the propping agent. Many of these chemical additives are also commonly used in everyday consumer products, such as toothpaste, ice cream, cosmetics, household cleaners and deodorant.

One Time Water Use

Hydraulic fracturing treatments typically require a one-time use of between 2 million and 5 million gallons of water per horizontal well, depending on the basin and formation characteristics. This is the equivalent amount of water typically consumed by 24 households in one year. However, that same well would produce enough natural gas to heat 30,000 homes for 1 year. According to the USGS, natural resource extraction (minerals, oil and gas) consumes only about 1 percent of the total water used in the United States.¹ Hydraulic fracturing water use is a fraction of this 1 percent.

We understand that in some regions significant use of water for oil and natural gas production may affect the availability of water for other uses. We work collaboratively with appropriate water-management agencies to obtain necessary permits. These permits ensure our water use does not interfere with the available water supply for other users and does not adversely impact stream flows, fish and wildlife, or sensitive habitats.

Supporting Disclosure

We support disclosure of the chemical ingredients used in hydraulic fracturing fluids in a way that informs the public and protects proprietary industry information. In the U.S. we are participating in the Ground Water Protection Council and Interstate Oil and Gas Compact Commission's (IOGCC) voluntary chemical disclosure website, *Frac-Focus.org*. This landmark web-based national registry was launched in April 2011 to provide information about chemicals used to fracture oil and natural gas resources on a well-by-well basis. The website also provides educational information on hydraulic fracturing, the means by which groundwater is protected and links to state regulatory websites. Learn more at <http://fracfocus.org>. Many states now have statutes or regulations that require public disclosure of the chemicals used in hydraulic fracturing utilizing FracFocus.

FREQUENTLY ASKED QUESTIONS

Are fracturing fluids dangerous?

Additives used in fracturing fluids are chemicals commonly used in everyday life and are safe when properly handled and used appropriately. Fracturing fluids require safe work practices, which include storage, transportation, handling and disposal. Each step is regulated to ensure protection of the public, personnel at the well site and the environment. Chemicals used during the fracturing process must have a Material Safety Data Sheet (MSDS) available for all on-site personnel, medical staff and emergency responders. The MSDS outlines the hazards associated with well site chemicals and the appropriate steps to protect the user and the environment.

Where does the water come from?

Our company uses various water sources, depending on the region and availability of water near our drilling sites. The sources of water used in our fracturing fluids typically come from private and public lakes, ponds, rivers, groundwater, and municipal supplies.

How much is 5 million gallons of water?

Five million gallons is the amount of water consumed by:

- A golf course in 25 days (source: Colorado Oil & Gas Conservation Commission).
- 7.5 acres of corn in a season (source: Colorado Oil & Gas Conservation Commission).
- About seven Olympic-size swimming pools (source: EPA).

¹Source: USGS, *Estimated Use of Water in the United States*, 2005. As new USGS figures become available, water consumption for natural resource extraction will be updated.

Frac Information (cont.)

Hydraulic Fracturing

ConocoPhillips

2015

About Hydraulic Fracturing

Hydraulic fracturing, or fracking, is essential to produce oil and natural gas that is otherwise trapped in low-permeability rock formations. It significantly improves the recovery from the reservoir by stimulating the movement of oil and natural gas.

It is important to understand where hydraulic fracturing fits into the entire drilling, well construction/completion and production phases of oil and natural gas activities. Hydraulic fracturing is not a method for drilling or constructing a well.

To reach a hydrocarbon formation thousands of feet below the surface and freshwater resources, the hole (wellbore) is drilled in successive sections through the rock layers. Once the desired length of each wellbore section has been drilled, the drilling assembly is removed, and steel casing is inserted and cemented in place. As the well is constructed, concentric layers of steel casing and cement form the barrier to protect groundwater resources from the contents that will later flow inside the well. Next, only the section of casing within the hydrocarbon formation is perforated at the desired location.

Hydraulic fracturing is a safe and proven technique that has enabled oil and natural gas resources to be developed for more than 60 years.



The well is now ready for the hydraulic fracturing process. This process involves pumping fluid through the perforations. The fracturing fluid itself exerts pressure against the rock, creating tiny cracks, or fractures, in the reservoir deep underground. The fluid is predominantly water, proppants (grains of sand or ceramic particles) and a small fraction of chemical additives.

Once fluid injection stops, pressure begins to dissipate, and the fractures previously held open by the fluid pressure begin to close. Proppants then act as tiny wedges to hold open these narrow fractures, about half the width of a human hair, creating pathways for oil, natural gas and fracturing fluids to flow more easily to the well. A plug is set inside the casing to isolate the stimulated section of the well. The entire perforate-inject-plug cycle is then repeated at regular intervals along the targeted section of the reservoir. Finally, the plugs are drilled out, allowing the oil, natural gas and fluids to flow into the well casing and up to the surface.

The hydrocarbon and fracturing fluid mixture is separated at the surface, and the fracturing fluid (also known as flowback water) is collected in tanks or lined pits. The fracturing fluids are then disposed of according to government-approved methods.

Recent studies find no substantiated connection between hydraulic fracturing and groundwater contamination:

A 2009 study by the Ground Water Protection Council, an association of state regulators, reviewed 10,000 wells and found only one complaint, which proved to be unrelated to hydraulic fracturing.

In 2010, the Interstate Oil & Gas Compact Commission, representing 30 state governments, affirmed that there have been no verified cases of drinking water contamination resulting from hydraulic fracturing operations in states where shale gas is produced.

Hydraulic fracturing operations generally occur over a three- to five-day period. The entire well construction process (including hydraulic fracturing) takes about two to three months, compared to the 20- to 30-year productive life of a typical well.

Importance of Hydraulic Fracturing

Since the late 1940s, more than 1 million wells have been hydraulically fractured in the United States and more than 2 million have been fractured worldwide. When used in conjunction with horizontal drilling, an advanced drilling technology, hydraulic fracturing makes it possible to develop vast unconventional resources. Without hydraulic fracturing and horizontal drilling, resources like tight sands, coalbed methane and shale gas would remain largely undeveloped. According to the U.S. Energy Information Administration, all of these resources combined accounted for 50 percent of U.S. natural gas production in 2009 and are projected to account for 60 percent of supply by 2035.

A Safe and Proven Technique

Hydraulic fracturing is a safe and proven technique that has enabled oil and natural gas resources to be developed for more than 60 years. The National Petroleum Council reported that up to 95 percent of wells drilled today are hydraulically fractured. Many studies—and decades of history—indicate that oil and natural gas operations, including hydraulic fracturing, are safe when wells are properly designed, constructed and operated.

Multiple Safeguards Protect Groundwater

Protection of groundwater resources is important through every stage of oil and natural gas development. Below the surface, well integrity is crucial to isolate and protect potable groundwater from hydraulic fracturing and flowback fluids during completion operations and from oil, natural gas and water produced from the reservoir over the well life. Proper well design, construction and monitoring are necessary to ensure groundwater is protected.

A well is much more than a pipe in the ground. After a wellbore is drilled through the rock, concentric layers of steel casing and cement are installed, creating multiple, impermeable barriers between the inside of the well and the earth's strata, including aquifer formations containing freshwater.

Looking at a cross section of a well, the outermost structure typically includes a shallow conductor casing to stabilize the ground at the well surface and includes surface casing. The surface casing extends to depths below freshwater aquifers in accordance with government regulations and is cemented in place with the explicit intent

Frac Information (cont.)

Hydraulic Fracturing



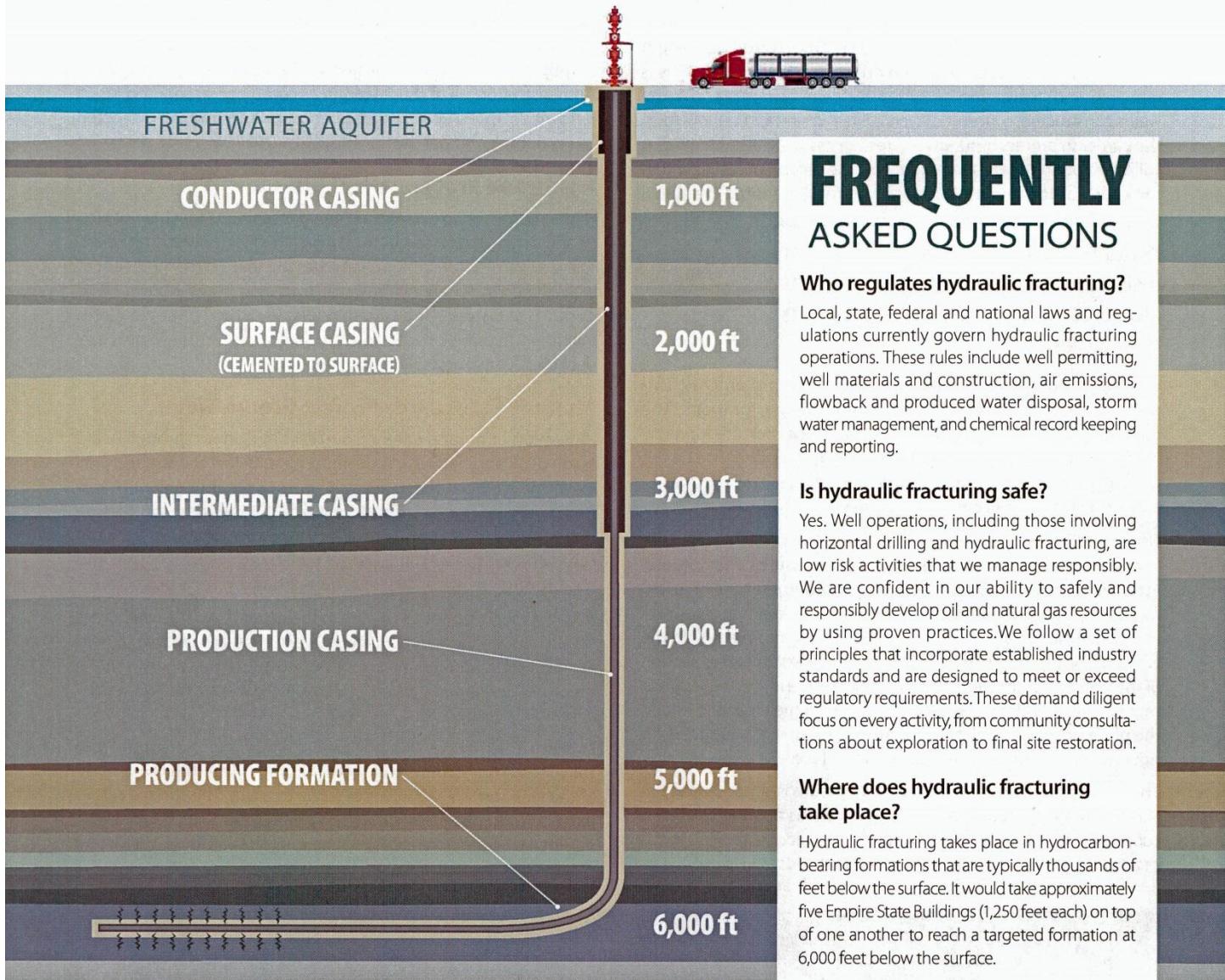
of protecting useable groundwater. Inside this structure, there may be one or more intermediate casings. The innermost structure is a production casing that extends to the bottom of the well. Typically, cement is pumped into the open space between each casing and the rock, forming a complete seal with multiple layers of protection.

To ensure well integrity, the entire system is pressure tested before the hydraulic fracturing process begins. Personnel at the well site continually monitor fluid injection rates and pressures throughout the hydraulic fracturing process. This data can also be transmitted via satellite to remote operation centers for off-site monitoring. Hydraulic fracturing operations are immediately shut down in the event of unexpected pressure responses.

Once hydraulic fracturing is complete and the well is placed into production, the pressure inside the well drops below the pressure of

the hydrocarbons outside the well. This pressure difference causes oil, natural gas and fracturing fluids to migrate into the well. The well is the path of least resistance for hydrocarbons to flow to the surface in a controlled manner, rather than being driven upward through geological barriers.

Beyond the mechanical safeguards of the well itself, groundwater is protected by physical factors. Hydraulic fracturing typically occurs thousands of feet below freshwater aquifers and often more than a mile below the earth's surface. Multiple layers of permeable and impermeable rock separate the targeted hydrocarbon formation from the aquifers, providing natural geologic barriers to the upward migration of fluids.



Education Opportunities in Your Area

ALBERTA



Check out the
2016 Schedule for
Social Events by clicking here



SPE Oilsands Workshop: Competitive Strategies for In-Situ Well Pad Development

alongside SPE Canada Heavy Oil
Technical Conference

9 June 2016
BMO CENTRE AT
STAMPEDE PARK
Calgary, Alberta, Canada



Society of Petroleum Engineers

[Registration](#)

A promotional poster for the AAPG Annual Convention & Exhibition 2016. It features a large image of a geological cross-section showing rock layers and oil reservoirs. The text includes the AAPG logo, the event name, dates (19–22 June 2016), location (Calgary, Alberta, Canada at BMO Centre at Stampede Park), and partners (SEPM and Canadian Society of Petroleum Geologists). A call-to-action at the bottom right says "Technical Program & Registration Announcement".

Education (cont.)

ALBERTA (CONT.)



The poster features a collage of images: a close-up of blue and white pipes on the left, a red globe icon with two white polar bears on the right, and a group of people outdoors on the right side. The text "International CORE CONFERENCE" is prominently displayed in large black letters. Below it, the subtitle "REDEFINING RESERVOIR: CORE VALUES" is written in red. At the bottom, the dates "23-24 JUNE 2016" and location "AER CORE RESEARCH CENTRE | CALGARY AB" are listed.

NEWFOUNDLAND & LABRADOR



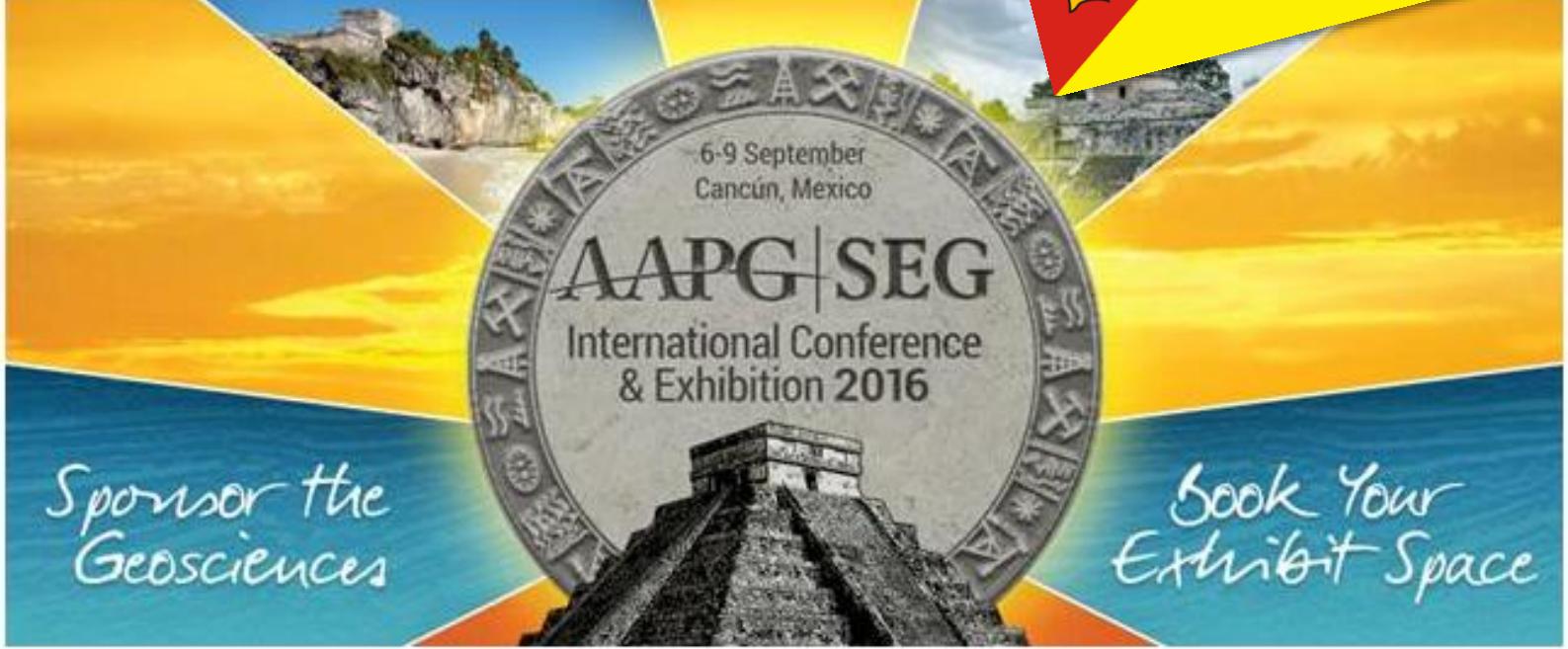
The poster features a large blue banner at the top with the text "St. John's Conference" and "September 18 - 21, 2016". Below the banner is a scenic view of a coastline with a lighthouse. To the right, there is a graphic of a three-masted sailing ship on a blue background. The text "NAVIGATING THE FUTURE" is above the ship, and "St. John's" is written in a large, stylized script font. Below that, it says "Newfoundland" and "37th ANNUAL OTCI CONFERENCE 2016".



The poster has a dark blue background with a circular logo on the left containing a map of the Arctic region and the text "ARCTIC TECHNOLOGY CONFERENCE" and "AN OTC EVENT". To the right, the text "ST. JOHN'S NEWFOUNDLAND AND LABRADOR" is written in large white letters, followed by the dates "24-26 OCTOBER 2016" and the location "ST. JOHN'S CONVENTION CENTRE".

Education (cont.)

QUINTANA Roo



COLORADO



Education (cont.)

COLORADO (CONT.)

IPAA MIDYEAR MEETING



Since 1929, IPAA's midyear meetings have brought membership and supporters to learn from the past and embrace the future. The issues are often familiar, yet the context is always new and challenging. In today's economy, the oil and gas industry holds one of the greatest promises to this nation--jobs, energy, security, payments to local, state and federal treasuries, environmental protection and so much more. IPAA's Midyear Meeting is timely and topical, providing the ideal forum for colleagues to discuss the important issues impacting their company's bottom line.

WHEN: June 27-29, 2016
WHERE: The Broadmoor
Colorado Springs, CO
COST: Click [here](#) for details.



**Submit your paper by
July 12, 2016!**



FLORIDA

**SAVE
THE
DATE**



**62ND ANNUAL MEETING
JUNE 15-17, 2016
ORLANDO, FL**



Education (cont.)

GEORGIA



The background image shows the Atlanta skyline at sunset, with the buildings reflected in the water of a lake or river in the foreground. A large green tree is visible on the right side of the frame.

NALTA
EDUCATE • ENHANCE • COMMUNICATE
PROMOTE • ADVANCE

Atlanta

Inspiring Education with a Little Southern Hospitality

31ST ANNUAL NALTA CONFERENCE

September 21-23, 2016
Atlanta Marriott Marquis

FOR MORE INFORMATION CONTACT:
Amy Hopmann, CPLTA
2016 Conference Coordinator
amy.hopmann@yahoo.com

FIND US ON:

NATIONAL ASSOCIATION OF LEASE AND TITLE ANALYSTS
4747 RESEARCH FOREST DRIVE, STE 180-221 ~ THE WOODLANDS, TX 77381
www.NALTA.ORG

Education (cont.)

KANSAS

[KIOGA's 24th ANNUAL MIDYEAR MEETING](#)

KIOGA Kansas Independent Oil & Gas Association



79th Annual KIOGA Convention Sponsorship Form

Click here

*Hyatt Regency – Century II
August 14 – 16, 2016*

MAINE

[ASSOCIATION FOR WOMEN GEOSCIENTISTS](#)



Association for Women Geoscientists

AWG Field Trip to Maine, New Brunswick, & Nova Scotia

September 5-15, 2016

Education (cont.)

NEW MEXICO



ANNUAL MEETING



August 1-3, 2016
Santa Fe, NM

Location: Hilton Santa Fe Historic Plaza, 100 Sandoval Street

Contemporary style blended with old world charm—all within the 350 year-old Ortiz Hacienda, home of Santa Fe's "first family."

Hilton will honor the IPA group rate of \$179 three days before and after our events. To book pre-post dates you must call 505/988-2811. Others may make reservations on line by copying and pasting this URL:

https://secure3.hilton.com/en_US/hi/reservation/book.htm?inputModule=HOTEL&ctyhocn=SF_EHIHF&spec_plan=IPA&arrival=20160731&departure=20160804&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT

NEW YORK

2016 SUMMER MEETING FOR IOGANY

THANK YOU TO EACH PERSON AND COMPANY FOR SUPPORTING IOGANY IN 2015!

WHETHER YOU ATTENDED THE SEMINAR, BARBECUE,
SPONSORED OR ATTEMPTED TO PLAY GOLF OR SHOOT IN OUR
TOURNAMENTS, OR TRIED TO EXHIBIT, WE'RE GRATEFUL FOR YOUR
ATTENDANCE!



Please join us in 2016!

WHEN: July 13-14, 2016
WHERE: Peek'n Peak Resort and Conf Center
1405 Olde Rd.
Findley Lake, NY



Education (cont.)

NEW YORK (CONT.)

IOGANY 2016 ANNUAL MEETING



Mark your calendars and note the new location!

WHEN: October 19-20, 2016
WHERE: Holiday Valley Resort
 NYS Route 219
 Ellicottville, NY



OREGON

NALTA 30th ANNUAL CONFERENCE



September 8th - 11th, 2015

Portland, Oregon

Education (cont.)

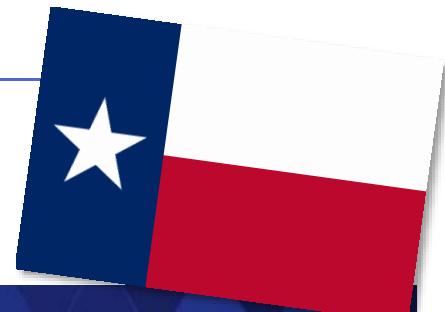
PENNSYLVANIA



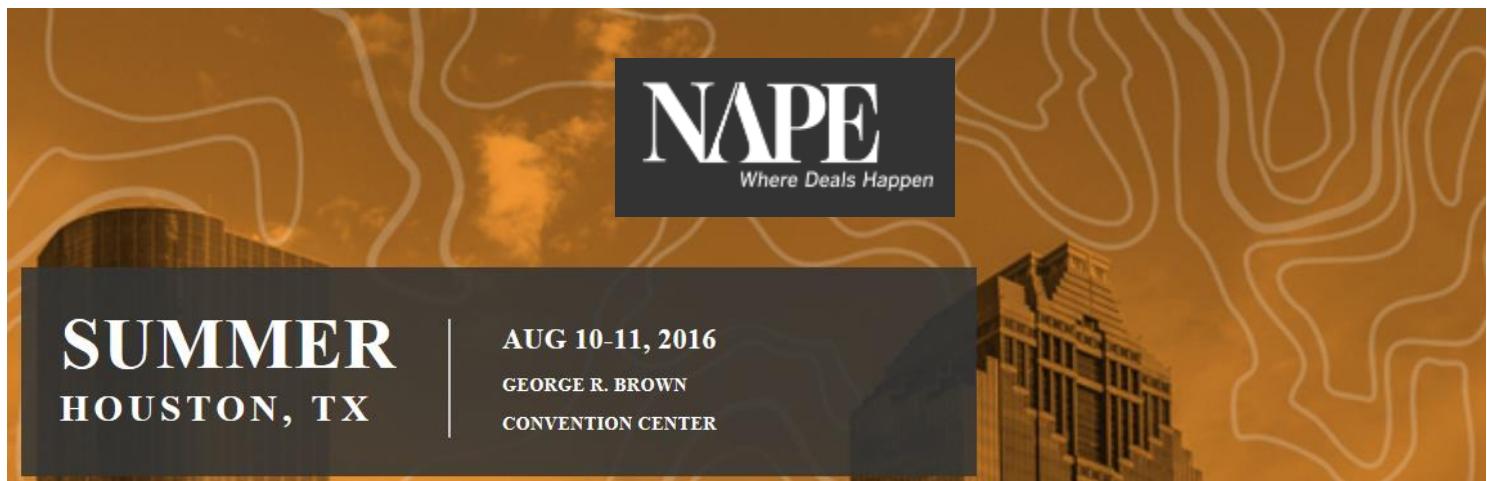
PIOGA Pig Roast, Equipment Show & Technical Conference

August 23 - August 24

TEXAS



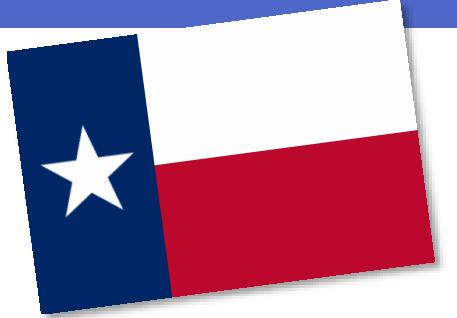
The logo for the Unconventional Resources Technology Conference (URTC) is displayed. It features a stylized oil drop icon above the word "UNCONVENTIONAL" in large, bold, white letters. Below "UNCONVENTIONAL" is the word "RESOURCES TECHNOLOGY CONFERENCE" in a smaller, white sans-serif font. At the bottom, it says "FUELED BY SPE • AAPG • SEG". To the right of the logo, the text "1 - 3 August 2016" and "San Antonio, Texas" is written in white.



The logo for NAPE (National Association of Professional Engineers) is shown against a background of orange and yellow topographic contour lines. The NAPE logo consists of the acronym "NAPE" in large, white, serif capital letters, with the tagline "Where Deals Happen" in a smaller, white, sans-serif font below it. In the bottom left corner, the text "SUMMER HOUSTON, TX" is displayed in white. In the bottom right corner, there is a dark rectangular box containing the text "AUG 10-11, 2016", "GEORGE R. BROWN", and "CONVENTION CENTER" in white.

Education (cont.)

TEXAS (CONT.)



FOURTH ANNUAL COS FORUM

Please join the Center for Offshore Safety at its Fourth Annual Forum, September 20-21, 2016 in Houston, Texas. The COS Safety Forum brings offshore industry operators, drilling contractors, service/supply companies and regulators together to facilitate collaboration and drive continual improvement.

First held in 2013 as part of the COS commitment to “sharing industry knowledge”, the Safety Forum has become the premier safety-focused event for industry, auditing and regulatory agency engagement.

The program agenda is supported by presentations and interactive panel discussions focused on SEMS from industry experts, auditors and U.S. regulators.

Each aspect of the forum is designed to facilitate the sharing and learning process of SEMS in order to promote the highest levels of offshore safety using industry good practices developed by COS related to SEMS management, guidance/protocols and 3rd party auditing.



In the midst of the current industry challenges and market uncertainty, the COS Forum will provide new insights and critically-important dialogue between key decision-makers to advance offshore safety on the US OCS.

WHEN: September 20-21, 2016
WHERE: Westin Houston Memorial City
Houston, TX
COST: Click [here](#) for details.

An advertisement for Pipeline Week. It features the "PIPELINE WEEK" logo with a trademark symbol. To the right, it says "SEPTEMBER 20-22, 2016" and "THE WOODLANDS WATERWAY HOTEL & CONVENTION CENTER THE WOODLANDS, TEXAS USA • #PipelineWeek". Below that, it says "INCLUDING GITA OIL & GAS PIPELINE CONFERENCE AND PODS USER CONFERENCE".

PIPELINE WEEK™

SEPTEMBER 20-22, 2016

THE WOODLANDS WATERWAY HOTEL & CONVENTION CENTER
THE WOODLANDS, TEXAS USA • #PipelineWeek

INCLUDING GITA OIL & GAS PIPELINE CONFERENCE AND PODS USER CONFERENCE

An advertisement for an event called "STANDING TALL". The main title "STANDING TALL" is in large, bold, white letters. Below it, it says "Mark Your Calendars to Attend October 18 - 20, 2016". At the bottom, it says "Ector County Coliseum and Fair Grounds". The background shows a construction worker in an orange vest working on a tall metal lattice structure against a clear blue sky.

STANDING TALL

Mark Your Calendars to Attend
October 18 - 20, 2016

Ector County Coliseum
and Fair Grounds

Education (cont.)

WEST VIRGINIA



IOGAWV SUMMER MEETING
Aug 07-09, 2016 | The Greenbrier Resort

REGISTER NOW!

The image shows a large, white, classical-style building with a central entrance and red awnings over the windows. In front of the building is a large, well-maintained lawn with a vibrant field of red tulips. The sky is clear and blue.

erudition refinement
guidance apprenticeship preparation indoctrination tuition
study nurture culture enlightenment civilization improvement cultivation scholarship tutelage literacy
inculcation discipline background finish teaching tutoring
rearing reading direction drilling schooling edification coaching learnedness book science

From the Committee Chair...

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REGION VII DIRECTOR
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 Command Fishing & Pipe Recovery Ltd.

Evelyn Green
 2016 Contest Chairman

GBC Minerals, Ltd.
 4040 Broadway, Suite 611
 San Antonio, Texas 78209

(210) 785-2893, #204 O
 (210) 863-7437 M

[\(o\)](mailto:evelyn@gbcmminerals.com)

June 2016

It has been an exciting time with the Regional Meetings and awarding the Regional Award of Merit to all of 2016 ADDC Contest Winners. I have had the opportunity to read the entries and each Region has "Stepped Up" to the challenge by their contest entries.

A big "Thank You" to each of my Regional Representatives for their time, effort and dedication to making this year outstanding. For 2016 the Contest Reps for each Region are as follows:

Region I	-	Cindy Kerns - Tuscarawas Valley
Region II	-	Betty Wajda - Bay Area
Region III	-	Sonya Ryder - Baton Rouge
Region IV	-	Evelyn Green - San Antonio
Region V	-	Joyce Nolly - Midland
Region VI	-	Casi Nichols - Enid
Region VII	-	Evelyn Green * - San Antonio

Served as Region VII Rep

Each of the Regional Representative were responsible for having another region's entries judged. Finding three (3) individuals who would dedicate time to read these contest entries and score each entry is a commitment. On behalf of the Contest Committee and the Association, we thank each Judge and Regional Representative.

At each Regional Meeting a sheet was given to all attendees, which showed the detailed Contest Entry from each club. If you didn't receive a list, but would like one - please e-mail me and I will be happy to send you a copy. A copy of the Winners for each Region will be sent to Regional Directors and Club Presidents by email.

Now the fun begins all over again - as each of the First Place Winners from each Category and each Region, will now be judged again by three (3) new judges. From all of these First Place Entries, the A.I.M.E.E. Award Winners will be announced at the 2016 Convention in Denver in September. We will make some noise for all of the entries during the Member Recognition Luncheon in Denver!

Sometime ago a questionnaire was sent to all Club Presidents regarding the likes/ dislikes, concerns and suggestions for the ADDC Contest. Because of the results of this questionnaire, there will be a Contest Seminar held at Convention. Please look for information about this soon. It will be sent to all Club Presidents and Regional Directors. The best part is that there is NO COST to any attendee. Yes - it is FREE!! Plan on attending the seminar, "So you want to win an A.I.M.E.E" in September in Denver.

Looking forward to seeing you all in Denver at the 65th Annual Convention - and cheer for all the winners. Remember - "Winning isn't everything but wanting to win is" - Vice Lombardi

See you all soon,
Evelyn Green

From the Committee Chair...



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Connie Harrison
 Valero Energy Corp.

PRESIDENT ELECT
Maggi Franks
 K&E Computer Services

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Tammy Watkins
 CTKW Petroleum Land Service, LLC.

REGION VII DIRECTOR
Cori Peever
 Command Fishing & Pipe Recovery Ltd.

...EDUCATION COMMITTEE

Anna Lewis-McBeth
 Education Committee Chairman

14008 Buck Circle
 Piedmont, OK 73078

(405) 693-7256 (H)
 (405) 234-9108 (O/F)

Email: amcbeth95@gmail.com

All Members,

The education committee is continuously looking for webinars or other educational opportunities for our members.

Three new free webinar opportunities have been added to the ADDC.org webpage. A couple of these links even allow you to go back and look at older webinars that may be of interest to you or your club.

Have you been in need of a speaker to meet your program commitments? Encourage your members to be a speaker on what they do for our industry. Doing this not only provides education to our members, but also provides self-esteem for an individual who may not always feel comfortable in front of people.

Many clubs have speakers that we would like to share with the Association as a whole. The easiest way to do this is to, with their permission, record them. If they are not comfortable with being recorded, ask if you can provide their information to the Educational Committee. Who knows they may willing to travel to other clubs to speak.

Remember the ADO Library is there for your use. Speakers fall through or you may have not been able to get a speaker at all. Here is the place for you to get an educational program to meet one of your requirements on an educational meeting.

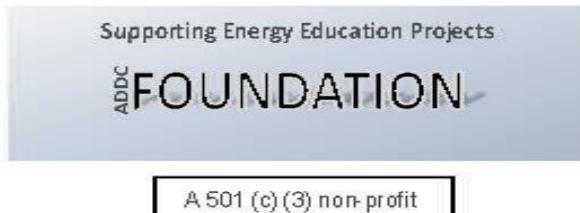
Our committee is open to ideas. We are here for you, so please share what ideas you have. What you would like to see from the Education Committee. I am always available, email is the easiest way to contact me. We are looking forward to working with all of you this year!

Until Next Time

Anna Lewis-McBeth
 Education Committee Chairman

From the Committee Chair...

...ADDC
FOUNDATION
COMMITTEE



A 501 (c) (3) non-profit
educational organization

Theresa Adams
2105 Stall Drive
Harvey, LA 70058

Theresa Adams
Chair

May 2016

Sue Carsadden
Vice Chair

Dear Members:

Maureen McClean
Secretary

As many of you know, the ADDC Foundation is a non-profit educational organization. As such, the Foundation qualifies as a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code.

Judi Adams
Treasurer

Following the annual 2015 Trustee Meeting, several projects were initiated. A change in our investment strategy was begun, and I am happy to let you know that some of our funds are now invested in an annuity where funds will earn a higher return.

Debi Baiamonte
Trustee

The trustees also approved the development of a new website and brochure. The Trustees decided that the ADDC Foundation logo needed to be updated before starting these projects. After the review of several logo formats that were created, it was decided to simplify the logo. It is included in this letterhead.

Sharon Hiss
Trustee

Our new brochures were premiered at the recent regional meetings and our trustees are very proud of the new design. We hope that members will honor a speaker, or an outstanding club member (or club officer) with a donation to the Foundation.

Natalie McClelland
Trustee

Sheryl Minear
Trustee

Ada Weeks
Trustee

Web site:

www.addcfoundation.org

The Foundation is here for YOU the members. We host the Industry Symposium each year at the annual ADDC Convention and Educational Conference. These Symposia cover important energy subjects and are presented by speakers knowledgeable in these subjects. The Foundation offers grants for funds to every region for educational field trips or seminars. We also grant funds to individuals and/or clubs for educational

From the Committee Chair...

...ADDC FOUNDATION COMMITTEE (CONT.)

projects, so if you or your club has an educational venture needing funding assistance, contact the Foundation.

The Fund grants monies to outside companies and/or energy museums, etc. for energy projects which meet the necessary criteria.

Our new website should now be available; if not, it will be very soon! The new design is amazing and we thank trustees, Sheryl Minear and Natalie McClelland for their diligence and commitment to complete this endeavor. We also thank Maggi Franks, ADDC President-Elect and Wayne Ammons, ADDC Webmaster for their help and input. Check out our new site: www.addcfoundation.org

Of course we can only continue to supply funding for projects, regional grants and these symposiums through your contributions. We wish to thank the following contributors:

El Dorado Club	- honor of speaker
Tyler D&D Club	- honor of the club (disbanded)
Laurel Club	- honor of speakers
Bartlesville Club	- honor of speakers
ADDC	- memory of Margaret Mosher
Graham Club	- honor of speakers 2015//2016

As always, we appreciate your continued support.

Theresa

From the Committee Chair...

...LEADERSHIP RESOURCE COMMITTEE



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REGION VII DIRECTOR
Cori Peever
 Command Fishing & Pipe Recovery Ltd.

Charlene Q. Tenney
 Leadership Resource Committee

Arnett Carbis Toothman LP
 PO Box 2407
 Buckhannon, WV 26201

Email: Charlene.tenney@actcpas.com
 Phone: 304-472-5550

Does it bug you when people don't seem to be paying attention in meetings or you cannot get someone to trust you to do a job? We have all experienced the push and the inevitable push-back between the generations. The differences have become hot topics in the business world particularly affecting best practices in leadership and management.

What to do? Well, there is a 2013 book called "Sticking Points" written by Haydn Shaw. For those of you familiar with the Franklin Covey trademark, he authored their "Leading Across Generations" and "Working Across Generations" workshops. In this book he writes of four generations working together for the first time in history, identifying twelve places they "come apart" in the workplace. He then goes on to aid the reader's understanding and helps work toward resolving generational issues in each tricky spot.

One of the most interesting segments of the book speaks of "Ghost Stories: Understanding the Four Generations". He illustrates reasons for the way each group responds to various situations in the workplace. He lists these generations as Traditionalists (born pre 1945); Baby Boomers (1946-1964); Gen Xers (1965-1980) and Millennials (1981-2010). If you think the population is shrinking, think again. According to the book there are 79,800,000 Boomers who will be leaving the workforce but 83,600,000 Millennials are coming up. The key element to the differences are in their histories and he breaks down why each generation thinks the way they do. He actually encourages the reader to think of the why instead of the what. Here's a summary example from the chapter on work ethic:

Traditionalists – From the farm to industrial jobs; expected to follow orders
 Boomers – Expected work to provide excitement and achievement
 Gen Xers – Don't expect work to provide significance or excitement
 Millennials – Work never stops in the digital age; take breaks for fun and other interests

The twelve "sticking points" are Communication, Decision Making, Dress Code, Feedback, Fun at Work, Knowledge Transfer, Loyalty, Meetings, Policies, Respect, Training, and Work Ethic and he suggests five steps to resolve each – Acknowledge, Appreciate, Flex, Leverage, and Resolve. The book is full of examples and real life situations.

As an organization, Desk and Derrick has many of these same sticking points that must be worked through in order to attract, maintain and build for the future. It is a "must read" for just about everyone in the Association and will enhance thought processes when making (or not making) decisions that affect others.

From the Committee Chair...



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REGION VII DIRECTOR
Cori Peever
 Command Fishing & Pipe Recovery Ltd.

...MANUAL REVIEW COMMITTEE

Diana Walker
 ADDC Manuals Review Committee

P.O. Box 2249
 Wichita Falls, TX 76307-2249

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Work email: dwalker@sjoc.net
 Home email: ddwalker@sraaccess.net

Website: www.addc.org

June 2016

Hello ADDC Chairs,

As the Chair for Manuals Review, my committee and I have a request for each of you:

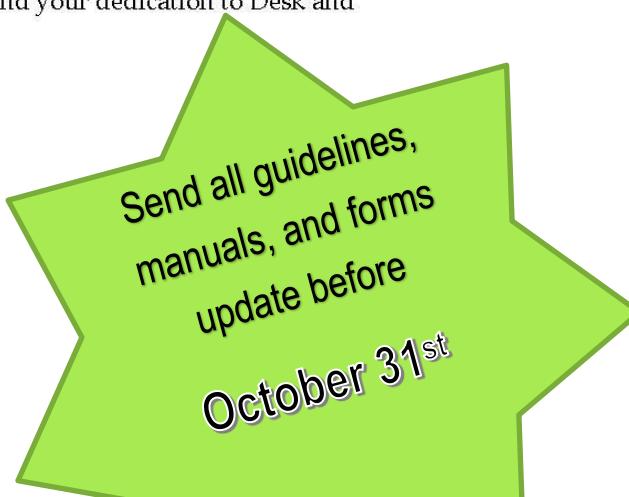
- 1) Review your committee's guidelines and manuals. I know that many of them were updated in 2014 but please look over them again and make sure they are current.
- 2) There is a format that we all need to follow so that all the guidelines and manuals look uniform on our website. (See attached.)
- 3) If you have any updates, changes and/or revisions, please submit to MRC 'for review of the document format, spelling and grammar upon their creation or revision'. Once the document has been reviewed it will be sent to Connie Harrison, ADDC President, who in turn will submit to her Board of Directors for approval.
- 4) After the ADDC Board has approved your revisions, then the website will be updated.
- 5) If your committee has any forms associated with it, check them for updates/revisions also.

We would like to bring all guidelines, manuals, and forms up-to-date and uniform! Please submit prior to October 31st.

We truly appreciate your help on this project and your dedication to Desk and Derrick.

Have a great day!

Diana Walker (Chair-Region V)
 Kathy Tawney (Region I)
 Sherry Hutchison (Region II)
 Dawn Ott Goode (Region III)
 Karol Wood (Region IV)
 Penny Jacobs (ADDC Board Contact)



Below is taken from the Manuals Review guidelines for you to base your adjustments for your Committee's guidelines and manuals.

Manuals and guidelines should be in the following format:

- There should be no cover page.
- The top and bottom page margins should be 1 inch.
- The left and right page margins should be 1.25 inches.
- The document title should be centered across the page, in Arial 11 font and in bold type.
- The document body should be justified and in Arial 11 font.
- The footer should be in Arial 9 font and .5 inch from the bottom. It should be bordered at the top by a solid line. Below the line, aligned left, should be the name of the document (i.e. ADDC Manuals Review Committee Guidelines). Aligned right on the same line should be the number of the page. Below the name of the document and aligned left should be the month and year the document was revised. (For example: See the footer at the bottom of this page.)

From the Committee Chair...

...PUBLIC RELATIONS COMMITTEE



Public Relations

ADDC CHAIRPERSON
Donna Taylor
 Dallas Club

REGION III REP
Susan Miller
 Westbank Club

REGION V REP
Natalie Bright
 Amarillo Club

REGION VI REP
Sharon Hiss
 Great Bend Club

ADDC BOARD CONTACT
Maggi Franks
 West Virginia Club

Greater Knowledge

Greater Service



Donna Taylor
 Public Relations ADDC Chair

1711 Duke Dr.
 Richardson, TX 75081

donnactaylor@msn.com

April 29, 2015

Dear Members,

The Public Relations Committee is pleased to announce we are now accepting official nominations for the ADDC Distinguished Member Service Award, the Distinguished Energy Service Award and the Special Achievement Awards for Club(s), Club Member(s) and Committee(s).

These prestigious awards are presented at the ADDC Convention to deserving members, clubs, ADDC Committees and non-members for their work in promoting the Association's educational goals and the energy industries.

Start thinking about possible nominees that have done outstanding work and meets the criteria.

Distinguished Service Award candidate criteria -Widely benefit the energy and allied industries and the Association. Please read the guidelines and form, so all criteria is met.

The Specials Achievement Awards- may be given to a club(s), a club member(s) or an ADDC Committee(s) for an outstanding contribution to the Association. Please read the guidelines and forms, so all criteria is met.

The guidelines and forms may be found on the ADDC website, or can be obtained from your Region Representative or Regional Director. The deadline for submitting nominations is July 1st, 6:00 PM (CST).

Donna Taylor
 ADDC Public Relations

From the Committee Chair...



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...SCRAPBOOK COMMITTEE

Anna Lewis-McBeth
Susan Wrobble
 Scrapbook Committee Co-Chairs

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 Amcbeth95@gmail.com

Susan- 1154 Sicily Dr.
 Garland TX 75040

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 susanwrobbel@hotmail.com

All Members,

Hello All,

We see that most if not all Region Meetings have been completed. Congratulations on the Region Director-Elects. You are in for a life time of memories.

That being said, we are looking forward to our inboxes being filled with pictures! If you have items other than pictures that you would like to include in the scrap book for Connie, please send to Susan. Susan is doing a hard copy of the scrap book and Anna is doing an electronic version.

If your Region has a Facebook page, please let us know. We can also download pictures to include in the scrap books. If any of you have a CD from your Region Meeting, we would also like a copy of it, if able.

We would also like to see pictures from your club meetings, field trips and seminars that you hold throughout the year. I know Connie would love to see the interesting and educational things your clubs do.

If you have any questions as to what we would like to see for Connie, please don't hesitate to contact either Susan or Anna.

Thank You,

Anna Lewis-McBeth & Susan Wrobble
 Scrapbook Committee Co-Chairs

About our Association



MOTTO

Greater Knowledge ~ Greater Service

PURPOSE

The purpose of this club 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.

MISSION STATEMENT

To enhance and foster a positive image to the global community by promoting the contributions of the petroleum, energy and allied industries through education, by using all resources available.

3rd Annual Crawfish Boil Social held in Louisiana by the Desk and Derrick Club of the Westbank in May.

2016 ADDC Board of Directors

President	Connie Harrison	connie.harrison@valero.com
President Elect	Maggi Franks	maggsmf@aol.com
Vice President	Christina Forth-Matthews	christina@aoginternational.com
Secretary	Penny Jacobs	pjacobs@rangeresources.com
Treasurer	Terry Ligon	terryligon@hotmail.com
Immediate Past President	Lori Landry	llandry0531@gmail.com
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Region VI Director	Tammy Watkins	ctkwllc@yahoo.com
Region VII Director	Cori Peever	cpeever@fishingsolutions.ca
Webmaster	P. Wayne Ammons	webmaster@addc.org