

ADDC *Insight*

Volume 3, Issue 9

September 2015



"Past, Present & Future"
Cotton, Oil/Gas & Wind near Lubbock

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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 complete the ADDC Insight by the **5th of each month**. (or at least try!)

We encourage every member, every club and every region to contribute. All suggestions are welcome.
SAFE TRAVELS TO THOSE GOING TO CONVENTION!

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

~Helen Trujillo

Desk and Derrick Club of Farmington, NM

ADDC President's Letter



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September, 2015

Wow, September is here and Convention is only a few days away, are you ready? It takes a huge effort to plan and then host a major event such as Convention. Audra Horton, Rena Shaffer and their Committee have put in countless hours toward making this an outstanding event. I truly appreciate their dedication and willingness to take on such a huge endeavor. Region V Members are excited and ready to welcome all of you!

The ADDC Board will be meeting for the Pre-Convention meeting on the Tuesday of Convention week. We will be reviewing what the Board and committees have accomplished this year and touching on what still needs to be done. If you have any concerns or items for discussion, now is the time to let your Region Director or any member of the Board know and they can bring it up during the meeting.

As Convention quickly approaches, here are a few reminders for delegates, presidents and membership:

- The Proposed ADDC Bylaw amendments have been posted on the website and will be voted on at Convention. Please review these with your membership and come prepared to discuss and vote.
- A slate of candidates has been presented and the nominee qualifications have been posted to the website. Please review with your membership and come prepared to vote for your 2016 ADDC officers. Just a reminder that nominations are still open and there may be nominations made from the floor.
- The Rules of Convention, Convention Procedures and Parliamentary Hints have been posted on the website. Please review and bring these with you to Convention.

I would like to remind each that it is time to start putting together your packet for contest. The deadline for entry is December 15, so start choosing entries you want to send in. From the bulletins I have read this year, every club should have great entries.

I had the opportunity to represent the Association at Summer NAPE in Houston and was excited to share our new brochures and spread the word about our Association. I was able to pass on contact information to several Clubs for potential membership. While at Summer NAPE, I came in contact with Catherine Steffek with the University of Colorado Denver. She provided me with information regarding a **Free Online Energy Business Course**. We have

ADDC President's Letter (cont.)

uploaded the link to the ADDC website and hope each of you take the time to review the website and sign up for the Free Course.

As we begin to slide into the fall and winter months, it is time to start thinking about how you would like to make an impact within your Club, Region or Association. Do you see yourself as a Committee Chair, Region Representative, Club Officer? Each of you have the abilities and skill set to be a true leader! Take a few moments to think about what challenge within ADDC you would like to take on for 2016 and get involved.

I look forward to seeing many of you in Lubbock very, very soon!!!

Lori Landry

Upcoming Events:

Pre-Convention Board Meeting - September 15
2015 ADDC Convention and Educational Conference -- September 16-20

"It is a free, 100% online business course that is a great educational resource for our members. The course addresses primary energy markets and the key considerations that drive business leaders and policy makers to make decisions regarding the development of energy resources.

Below is the link to their page that describes the course ... Enrolled students can select the option of receiving a "verified certificate" for \$50. The verified certificate is a certificate of completion which allows the student to showcase their new knowledge on their resume, LinkedIn profile, employers, etc."

~Lori Landry

Global Energy Management Program
BUSINESS SCHOOL
UNIVERSITY OF COLORADO DENVER

FREE ONLINE ENERGY BUSINESS COURSE
Enrollment is now open!

Fundamentals of Global Energy Business
Registration is now open for the Global Energy Management (GEM) Program's free, online energy business course titled Fundamentals of Global Energy Business on Coursera. Coursera is a learning platform that partners with top universities to offer free online courses globally.

This course addresses the diversity and integration of primary energy markets. It also studies the essential considerations driving business leaders and policy makers in the development of global energy resources. Lectures emphasize those basic economic principles that provide a foundation for thinking about the broad range of interactions that occur in energy markets.

Currently, this is a self-paced course that allows the learner to study the material at his/her own pace. The GEM Program will offer an instructor-guided course in September 2015. Students can earn a [Verified Certificate](#) (see below) in both the self-paced and instructor-guided course.

To successfully complete this course, students will need to take quizzes (which can be taken multiple times until material is mastered) and write an 800-word business memorandum that classmates will assess. The memorandum will provide an analysis and recommendation for an energy business situation.

Questions? Contact the GEM Program Office:
303-315-8GEM (8436) or gem@ucdenver.edu

ENROLL TODAY: <https://www.coursera.org/course/globalenergybusiness>

About the Instructor
Michael J. Orlando, Ph.D. is an Economic Advisors Principal Consultant and an award-winning faculty member of the GEM Program.

He began his career with Shell Oil Company, providing reservoir engineering and economic evaluation expertise for oil and gas exploration and development projects in the Gulf of Mexico. He also worked as an environmental engineer, ensuring the company's relationship to a listed Superfund site.

Dr. Orlando holds degrees in economics from Washington University in St. Louis, in business administration from Tulane University, and in petroleum and natural gas engineering from The Pennsylvania State University. [READ FULL BIO HERE](#)

WHICH LEARNING PATH IS BEST FOR YOU?

SELF-PACED COURSE	INSTRUCTOR-GUIDED COURSE
<ul style="list-style-type: none"> Most flexible – course assignments can be completed at student's own pace Does not have to be completed within a specific timeframe Less engagement with instructor and other students 	<ul style="list-style-type: none"> Less flexible – course assignments must be completed within two weeks for each module Must be completed within the specified eight-week course offering More engagement with instructor and other students

Week 6: Strategic Analysis of Energy Business Opportunities
Frameworks for strategic analysis are useful for organizing the broad set of considerations necessary to achieve energy business objectives. These lectures introduce several rudimentary tools for strategic analysis and make use of those tools to evaluate the economic, commercial, and political environment of energy.

Questions? Contact the GEM Program Office:
303-315-8GEM (8436) or gem@ucdenver.edu

Note: Students who successfully complete this course will not receive university credit from the University of Colorado Denver.

Region I Director's Newsletter



Penny J. Jacobs
2015 Region I Director

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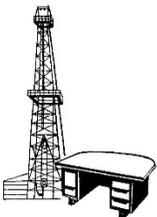
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ASSOCIATION OF
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CLUBS

September 2015

Members of Region I,

My how time does fly. It is hard to believe that summer is almost over and the autumn months are upon us. Soon we will be in Lubbock enjoying the 64th Annual ADDC Convention and Educational Conference. I can hardly wait to experience the field trips, seminars and business sessions.

Convention for me, as your regional director means that there will be plenty of meetings and opportunities to have Region I heard. If you have items for discussion that you would like me to bring before the 2015 Board, please get them to me and I will do my best to represent all of our members from Region I whether you are attending or not. Through me, every member has a voice.

I visited the Ohio Valley Club the last Friday of July for their Annual Industry Appreciation Night. The event took place on the Valley Gem Sternwheeler. This is also a big fundraising night for the club. All I can say is this club really knows how to entertain. The night was full of good food, good friends and plenty of raffles & prizes. There were members from the PYOGA, West Virginia and Three Rivers Clubs also in attendance. I am proud to say that I won a prize of two tickets to attend next year. I will surely be back as it was most enjoyable.

So far I have visited PYOGA, Ohio Valley, Oil Heritage, West Virginia, and Three Rivers, although, I am not against a second visit. If you have an event or a meeting that you would like me to attend, please let me know and I will do my best to be there. I am scheduled to visit Buckeye in October and hope to schedule a visit with Tuscarawas Valley and West Penn before the end of my term.

Time is fast approaching to complete a slate of officers for your club. Have you considered your role for the future of your club? This is the place where you can step forward as a member of your local club and serve as an officer, chair a committee or even simply spark and idea. Are you hesitant to run for an officer's position because you are unsure of what the position is all about? Chances are that the person before you didn't know either. We have a vast pool of former officers to help you along and can answer any questions you may have. Step outside of your comfort zone and step up. The future of your club depends on it!!!!

Keep Calm and Educate On!

Penny J. Jacobs

Region II Director's Letter



Deb Perjak
Region II Director

d.perjak@yahoo.com
(618) 327-9111

September 2015

Dear Region II Members:

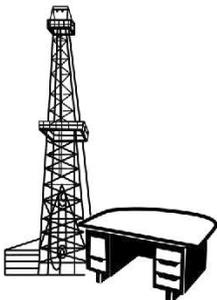
The ADDC 2015 Convention is September 16-20, 2015 in Lubbock, Texas. Region V has planned an excellent Convention with many educational opportunities. The Registration Packet is available on the ADDC Website and includes descriptions of the many field trips and other opportunities available during the Convention. Hopefully you have already registered, but if you haven't please check out the Convention Information and get registered as soon as possible. I look forward to seeing everyone in Lubbock.

As I told you in my August Region II Director's Letter, the Illinois Department of Natural Resources contacted Kim Oelze to see if they could have our EAB's and Teaching Guides in the kids conservation area at the State Fair in Springfield, Illinois. Mr. Mankowski said these were very well received and asked if they could have some more for the State Fair in DuQuoin, Illinois as well.

I hope everyone has had an opportunity to see the new and improved ADDC Website. If you haven't checked it out yet, please take the time to see what is new. We are still working to make further improvements in order for you to be able to access the information more easily.

If you have questions or concerns, please feel free to contact me via e-mail at d.perjak@yahoo.com or by phone at (618) 327-9111.

Deb Perjak
2015 Region II Director



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September 2015

The 2015 Convention is fast approaching so let us try to be ready if you are attending. Be sure to take along a copy of the Rules of Convention. These can be found on the new website. Go to "ADDC Guidelines" scroll down to Rules of Convention and print out. All delegates should have a copy of the candidates for offices and don't forget to also take the By-Laws proposed changes.

The nominations were closed on June 5th and no nominations were received for Treasurer. ADDC President Lori Landry will open the floor for nominations after the official Nominations Committee report is presented at the Business Session and delegates receive instructions.

Please wear business attire to attend all meetings, seminars and luncheons. For the banquet wear at least business attire or dress up as much as you like. Remember we are a professional group of people and should represent ourselves as such.

I will be representing our Region along with Theresa Adams, 2016 Region III RD. We are excited to continue working on the Strategic Planning and Marketing we began in January. If there is anything any of the clubs wish us to discuss with the Board please contact me as soon as possible.

If I can help any of the clubs with any issue do not hesitate to contact me. I will do my best to assist in whatever I can. It is my job to be a good leader and I truly want to help all of you. I hope the club presidents are forwarding these letters on to all members. It is important for all of us to be connected.

Wishing all AIMEE contestants the very best of luck at Convention.

Please don't be afraid to offer your assistance to 2016 ADDC President Connie Harrison. She is in need of ADDC Committee Chairmen and Representatives. On the club level, please do your share of supporting your club by running for an office.

October 1st is the deadline for DDJ submissions. Send articles and pictures of the things your club is doing to Deb McCuller at dmcculler@tdx-energy.com.

Looking forward to seeing all of you in Lubbock!

Val

Region IV Director's Newsletter

Cindy Miller
Region IV Director

miller154@suddenlink.net

*My theme this year is "Pay it Forward thru Service and Education".
I encourage everyone to remember to pay it forward.*

Wow, here we are in September and the 64th Annual ADDC Convention is just around the corner. I am excited about it being in our Great State of Texas, it will be a busy time for everyone with the field trips, seminars, luncheons, business sessions, and some fun mixed in as well! Good luck to all the Region IV AIMEE contestants.

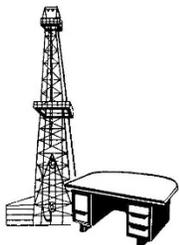
The ADDC Board, which includes the RD Elects, will meet for a pre-convention meeting to review what the Board and committees have accomplished this year and what still needs to be done. If you have any concerns or items for discussion please let myself, RD Elect Mary T. Vaughan or any board member know, so we can bring it to the meeting. Your feedback is important to us and we are here to help the clubs in the association.

Now is the time to make sure that your delegate, alternate and new convention attendees are prepared for convention. The Proposed ADDC Bylaw amendments have been posted on the website and will be voted on at Convention. Delegates please make sure you know the decision of your club and bring any comments and concerns to discuss. A slate of candidates has been presented and the nominees qualifications have been posted to the website. Presidents please review with your membership and come prepared to vote for your 2016 ADDC officers. The Rules of Convention, Convention Procedures and Parliamentary Hints have been posted on the website. Review and bring these to Convention with you and a copy of your credentials.

I will be visiting NHMC in October and the IAD in Fort Worth in November. I have not been able to visit more clubs because of back issues and this has limited my traveling.

Please remember you can call me with any issues.

Cindy



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Region V Director's Newsletter



Kate Ediger

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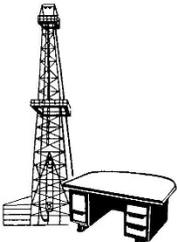
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September 2015

Region V Members,

Oh My Goodness - IT'S SEPTEMBER! All the hard work is about to pay off. Convention in Lubbock is going to be a huge success, and Region V is going to shine! If you aren't registered, you still can! You will not want to miss the 64th Annual Convention and Educational Conference! Registration forms can be found on ADDC.org.

The ADDC Board will be meeting for the Pre-Convention meeting on Tuesday of Convention week. If you have any concerns or items for discussion, please let me or Monica Sanchez, 2016 Region V Director-Elect know as soon as possible. We will be happy to bring it to the Board! We are here to work for you; please let us know how we can help!

Please remember to bring the following with you to the meetings at convention:

- Convention Program (in registration bag)
- Rules of Convention (found on ADDC.org)
- Proposed Amendments (found on ADDC.org)
- Nominees for 2016 ADDC Officers (found on ADDC.org)

Good luck to each club or member that is up for an AIMEE at Convention! For next year's AIMEE's each club needs to begin working on their packets for Contest now. The deadline for entry is December 15th. I hope to see each club in Region V have an entry!

It is time for each club to complete a slate of officers. Are you ready to step up and volunteer to be an officer or a committee chair? I challenge each of you to volunteer for a new role next year! You will not know how to do everything for each job, but you will find the help you need with your fellow members. You only need to be willing to learn and give of yourself.

I look forward to seeing you all in Lubbock in a few short weeks!

If you have any ideas, questions, or anything to discuss, you can reach me at my office, cell (call or text) or email. Please feel free to contact me anytime!

"Efforts and courage are not enough without purpose and direction." –JFK

Region VI Director's Newsletter



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Region VI Members,

It's time for Convention! I am looking forward to seeing all members from Region VI at Convention in Lubbock. I can't wait. The field trips and seminars look to be really educational. Region V has been hard at work getting everything lined up. Remember at Convention we will be electing the ADDC officers for 2016. The club presidents have received the slate of officers for 2016. Please make your opinion know to your club president. They are the voice of the entire club membership, so your input is important.

If you have not volunteered for a committee region rep, or committee chair for the year 2016, I encourage you to step outside your comfort zone and volunteer. Each time you volunteer, you learn more. You learn about ADDC, education and the knowledge you have that impacts the ADDC.

If you have questions about the committees and what they do, feel free to contact Tammy Watkins or me. The information is also listed on our Website.

As mentioned earlier this year the board hired a marketing firm to assist in marketing ADDC. One of the things we asked of them was to update our Webpage. If you haven't taken a look, please do. Your feedback on what you like or don't like is very important to the whole membership of ADDC.

It will soon be time to gather a slate of officers for your clubs and elect them. I would like to encourage everyone to consider a position on your club board. I can honestly say that being on a club board and the ADDC board are experiences that I do not regret. The knowledge gained about how ADDC works and why it is priceless, not to mention the number of friends and mentors I have gained across the United States and Canada.

Keep in mind an exciting article or great picture that you would like to see become an A.I.M.M.E winner. The time to submit those will be here before you know. Is there a favorite President's letter you would like to see win? When the time to submit nominations comes then you are ready to provide your choices.

Looking forward to seeing you in Lubbock!

Until Next Time,

Anna Lewis-McBeth

Region VII Director's Newsletter



Deborah Porath
Region VII Director

dporath@undergroundpipe.ca

September 2015

Dear Region VII Members:

What a whirlwind we have had around here lately. On August 1st we moved our corporate offices to a new location with more space, so we have been hard at it most of the summer packing and boxing up. With that off our plate, we then sold our Calgary home and purchased a new home in Carstairs AB, which is just a bit north of Calgary! Talk about wacky timing. So both John and I are busy packing up our home which we need to vacate before I leave for Lubbock! Sometimes I think we are insane!

So I have been very busy, personally, but what a fabulous year I have been having as your regional representative to the 2015 ADDC Board of Directors. I have met so many people, and am looking forward to Lubbock and attending Convention in just a few short days. I will see so many of you there I hope.

For those of you who are attending Lubbock, you may want to review the Rules of Convention which are found on our website. Just go the Members Section, log in, and go to Guidelines, Rules of Convention.

Remember that RD Elect Cori Peevers and I will be representing all of our members in Region VII at the Pre-Convention Board Meeting and therefore if there is anything you would like us to discuss, please let us know and we will bring it to the meeting.

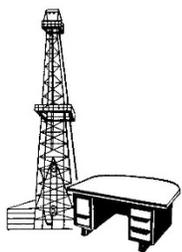
The DDJ has come forward with many great suggestions for the next installation, for which the deadline is October 1st, and they have asked all Regions to contribute to the next edition. If you have something wild and wonderful or extraordinarily educational, please let the Editors know, or let me know and I can pass it on.

Our Grande Prairie Club has let me know that they met in July for an informal meeting at the Horse Races at Evergreen Park in Grande Prairie. They were sponsored by IPAC Services, who is a long time Desk and Derrick Supporter.

Convention brings many wonderful possibilities. Many wonderful educational opportunities. One of those opportunities is to serve on a committee as a Regional Representative. Historically Region VII has low participation on ADDC Committees. We truly lack information when we are not represented at the International Level. ***Please consider stepping up and joining a committee this year.*** I have already volunteered to be a representative for RD Elect Cori and I hope you will join me.

I would like to take a moment to offer good luck wishes to all our members who are up for an AIMEE at Lubbock. It is exciting and the entire Region VII wishes you well. You have all worked so hard on your entry, and though it is always an honour to be nominated, it is exhilarating to finish in the top 3 at Convention.

*From Ordinary to **Extraordinary!***



ASSOCIATION OF
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A handwritten signature in cursive that reads "Deb.".

Upcoming events:

2015 ADDC Convention
Budget & Planning

Lubbock TX
TBD

September 16 – 19, 2015
January 2016

ADO Letter



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Anna Lewis-McBeth
Continental Resources Inc.

REGION VII DIRECTOR
Deb Porath
Underground Pipe Inspectors

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(ADO)

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Website: www.addc.org

September, 2015

Spic and SPAM???

There is that dreaded, 4-letter word again . . . SPAM!!! And I don't mean the, "pork shoulder and ham" type of SPAM either. What I'm talking about fills up your email box and possible carries little computer viruses that rake havoc on or completely clean out your system.

Last month I sent out an email to the Leadership in hopes that it has been read by every member. I'd like to repeat the content of that email in this article. Sometimes, we need to be reminded to do what we "know in our knower" to do. Please receive this message in that spirit.

A few Members have indicated that they have received SPAM email as of late. Please know that we (The President and the Tech Crew) are aware of this and believe that the issue has been resolved!

Also, please be assured that the information listed in the directories is secure. These files have always been placed behind firewalls and under anti-virus protection mechanisms to the best of our experience and knowledge. We have even increased these with the new website rebuild. The unfortunate thing is that hackers are really good at what they do. So, we want the membership to be assured that we are doing everything we can to stay ahead of them.

Here are a few guidelines to remember in order to help us keep the ADDC protected site truly for our Members only:

1. **NEVER email the password to anyone!**
2. **Keep the login credentials in a safe place. Contact your Club President, ADO or the webmaster if you need to receive them again. We will call you with the information.**
3. **NEVER give out information to any Non-Member. Contact ADO if you are unsure.**
4. **NEVER open any links that look like SPAM emails. Usually if you "hover" your mouse over the link (BUT DO NOT CLICK ON IT!!!), it will tell you what will open if you choose to click the link. Chances are it will be some sort of virus you do not want.**
5. **ALWAYS use your gut feelings. If in doubt, again, contact the ADO or Webmaster. We are here to help and keep everything safe, secure and accurate.**

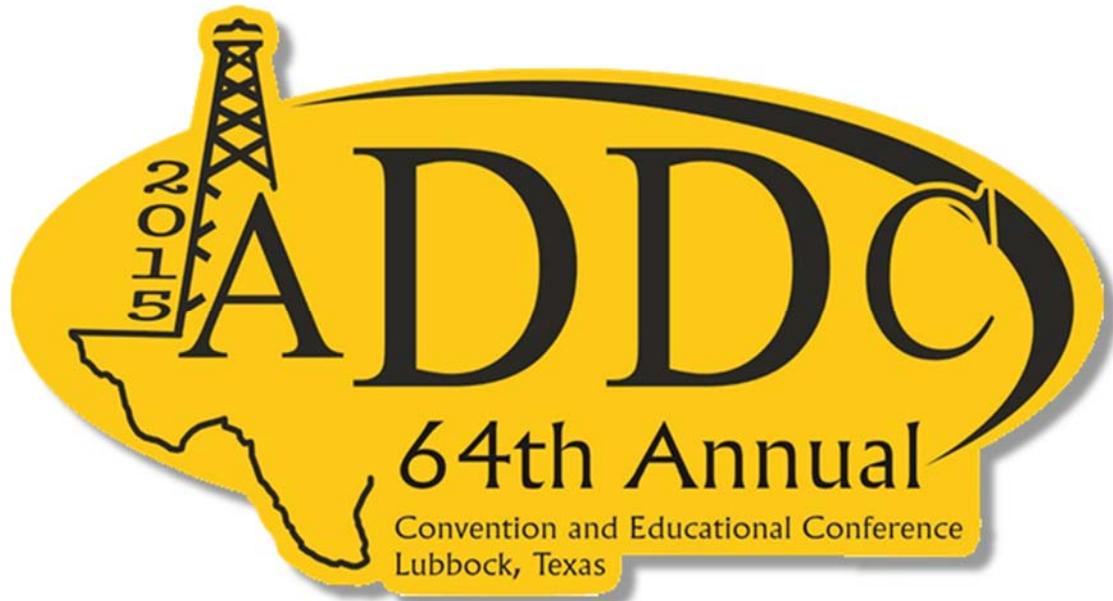
Thank you for your indulgence and have a safe time surfing the Web!!!

Saying NO to 

André Martin
ADO Manager

64th Annual ADDC Convention

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All the clubs in Region V

**Abilene, Artesia, Amarillo, Bakersfield, Farmington, Midland,
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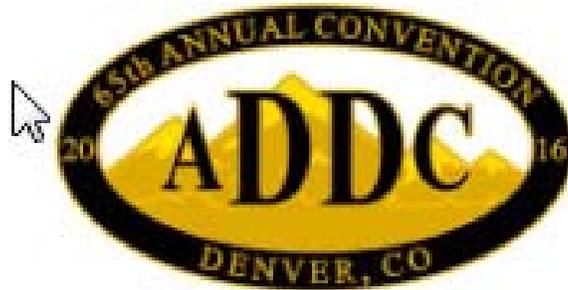
look forward to seeing you the week of September 16-20.

Come and let us show you WHY we chose

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65th Annual ADDC Convention and Educational Conference



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

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

Airport to Hotel: RTD expects to have its light rail line finished from the airport to Union Station with free shuttle from Union Station to within 2 blocks of the hotel; Super Shuttle; cab service, Uber car service, etc.

Probable Field Trips: Experience oil/gas field activity; visit a western art museum, tea factory, and butterfly pavilion; ride a narrow-gauge train and visit a silver mine; visit the USGS ice core lab and core research center; visit a gold mill; etc.

Probable Seminars: Natural Gas Marketing; Public Speaking; History of Mining and Oil Exploration in Colorado; etc.

Thursday Evening: Dinner and Movies - spOILed, Fracknation, etc.

Friday Evening: An Evening of Reminiscing – no costumes required. Reminisce about “Legendary Ladies” in the United States and in Desk and Derrick.

Getting Around: Denver B-cycle was the first large-scale municipal bike sharing system in the United States with dozens of special bike stations (B-stations) in downtown Denver and one close to the hotel. Car2go, Avis Zipcar, Occasional Car, eGoCarShare, Hertz, and Enterprise are some of the car share operators in the Denver area; find one parked near the hotel.

Local Attractions: Museums, theaters, historical sites, the Denver mint, restaurants, sports venues, movie theater, bowling alley, and shopping are within easy walking distance of the hotel.



Top 10 Resume Tips for 2015



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BY JESSICA HOLBROOK-HERNANDEZ

December 10, 2014 - As we head into 2015 I wanted to take some time to think about resume tips that will have the greatest impact on your job search in the coming year. Job searching and resume writing are constantly evolving, yet I find so many job seekers stuck in a rut. Here I'm going to provide my top ten resume tips for 2015 to help you jump-start your job search in the New Year—and beyond.

RESUME TIP #1: BREAKAWAY TEXT

When you read a book or a magazine, you will often notice that different methods are used to guide your attention to important content—things they want you to remember. For instance, they may print certain words in a larger type size—or in a different font. Words may be “set off” by quotation marks, separated by lines, be its own section entirely, **or even be in color.** All of these serve a purpose—they draw your attention to the one or two lines of text the author “**really**” wants you to remember.

Use this same strategy on your resume. Consider the most important point you want the employer to walk away with—and capture that in breakaway text within the top half of the first page of your resume. Keep it short. And don't just give any information—make sure it's **the most compelling point** of why they should hire you.

RESUME TIP #2: CALL-OUT BOXES

Call-out boxes are along the same lines as breakaway text. The purpose of a call-out box is to bring attention to the information contained within it. These are great for specific keywords or skills you want to bring

attention to—or for an endorsement by a previous employer that speaks to your value.

RESUME TIP #3: CHART/GRAPHS/DESIGN

Don't be afraid to utilize graphic elements such as - charts and graphs. Especially if you have revenue or profits that you can track over several quarters or years. A picture is worth a thousand words—and if you've been a powerful revenue generator, this is a resume tip that will serve you well.

Revenue generation not an integral part of your position? That's OK. You can use charts or graphs to communicate other important info such as customer/client satisfaction, membership rates, or cost savings. If none of these apply, then skip the chart/graph and opt for some other visually engaging design elements like color, borders, or shading. The idea is to engage the reader visually to help make the content easier to digest—and ultimately remembered.

RESUME TIP #4: VIDEO RESUME LINK

Video resumes may never replace traditional resumes, but that doesn't mean that they won't become a powerful complement to them. More and more job seekers are starting to create 30- to 60-second intro videos so employers can get a better feel for the person's personality, presence, and cultural fit within the organization. Including a link on your resume to your video resume could prove to be an effective competitive advantage over your competition. I encourage you to consider creating one—and including

Resume Tips (cont.)

a link to it on your resume and your LinkedIn profile. There are some video formats that you can post to your LinkedIn profile so employers who visit can watch the video right from your profile.

RESUME TIP #5: VALUE PROPOSITIONS

Include a value proposition within your resume. Your value proposition is the most persuasive reason WHY the employer should interview you. You want them to see there's a benefit to choosing you over another candidate. What expertise or experience can you offer that no other candidate can? This very well may be your value proposition. Use it to your advantage, and communicate that within your resume.

RESUME TIP #6: WRITING TO THE AUDIENCE

6 Write to your audience—recruiter, HR, decision maker. Become very savvy about being focused in your job search. A recruiter is looking for a specific set of elements in a resume and cover letter—but the qualifications and skills a potential employer/target company is looking for can be quite different. Recruiters have a different set of criteria of they want to see in a resume. We always advise our clients to customize their resumes to the specifications of the recruiter with whom they're working—because that recruiter knows his/her clients and what they like to see. There is **no one-size-fits-all resume**. People who pick up on this and create specific resumes to match targeted positions will see much better resume response rates.

RESUME TIP #7: USE A NETWORKING RESUME

Put together a brief snapshot of your accomplishments and value proposition that you can pass out to your network. It should be short, visually engaging, and benefit-laden. A quick snapshot of what you do and the value you offer gives your network a fuller picture of what you do. And it can actually help them spread the

word about your expertise to interested employers—or cause them to think of contacting you if they hear about a great opportunity that aligns with your skill set.

Use a quick, one-page bio-type of document that doesn't necessarily cull through your entire career history but instead offers a glimpse into the value and expertise you can offer a future employer—and highlights your achievements and successes most relevant to your career target now. Please note: this is not the ideal piece to put in the hands of a prospective employer—BUT if you're networking with family, friends, or connections, some people are more visually inclined. So being able to *see* what you do can help them to help you even more!

RESUME TIP #8: INCLUDE LINKEDIN

Believe it or not, I still hear from job seekers who are not on LinkedIn—and I still see resumes that do not include links to profile URLs. This is a wonderful way to engage your audience and to help them learn more about you and what you have to offer. Don't neglect to include your LinkedIn profile URL at the top of your resume where you have your other contact details. And for goodness' sake, do NOT copy and paste your resume into your profile! Give them different and equally compelling information there.

RESUME TIP #9: DELETE "GENERAL"

Delete the term "general resume" from your vocabulary altogether. I occasionally have someone call us and ask if we can create a "general resume" for them—and the answer to that is "No." Well, we could—but it wouldn't do you any good. A resume is not a place to be a jack-of-all-trades; it's a place to be specific about how you've mastered what you do and how great you are at it. In fact, you're so awesome at it that the employer NEEDS to interview you or they're going to lose out on some pretty great benefits. So the next time you feel slightly tempted to create a general resume ... RUN! Instead, create a master resume—and then pull information from that master resume to create more-focused

Resume Tips (cont.)

versions that you can use to apply to specific opportunities.

RESUME TIP #10: JUMP OFF THE JOB BOARD BANDWAGON

Employers are jumping ship—and it's probably time you did too. This year, I've made it my mission to bust the job search myth that applying on or posting your resume to job boards are the **ONLY** ways you can find a job. Using job boards should be only 20% of your job search efforts. The other 80% should be invested in other methods such as informational interviewing, networking, cold calling, direct-mail campaigns, targeting specific employers, or researching decision makers.

The frustration and hopelessness job seekers feel stems primarily from a lack of knowledge about other ways to job search. They hop onto the job boards, start applying away—and never hear anything back. Then they end up thinking their expertise isn't valued, or that there are no jobs out there—when the truth of the matter is ...

There are lots of jobs out there. They're just not all on job boards.

Take some time to educate yourself about alternative methods for job searching. It will take far less time than you think ... and yield far better response rates than anything you'll get from a job board. I foresee a swift decline in the number of job seekers using job boards this coming year.

And while I'm on that topic, let me just say *this* about *that*. **I am not against job boards.** I am against the misconception that job boards are the exclusive way to find a job—and that a job seeker's efforts should be focused exclusively online. This creates frustration and despair for far too many people.

So there you have it ... my top ten resume tips for 2015. The last resume tip may have been a combination of resume and job search, but the point stands. These are the tips and trends that I see making the biggest impact on your job search in 2015. What's your best resume tip for 2015? I'd love to hear it! Please feel free to share it with me below.

As always, I'd love to connect on LinkedIn. Please feel free to [send me an invitation here](#).

ABOUT THE AUTHOR

JESSICA HOLBROOK HERNANDEZ



A nationally recognized resume expert, Jessica Holbrook Hernandez is President/CEO of Great Resumes Fast and a former human resources manager and recruiter. Leveraging more than ten years' experience directing hiring practices for Fortune 500 companies, Jessica's innovative and brand-driven resume development strategies have secured a 99.6% interview-winning success rate for her clients. As a global resume authority and trusted media source, Jessica has been featured and quoted numerous times throughout CNN.com, The Chicago Tribune, Monster.com, Local Job Network Radio, International Business Times, and more.

Breaktime

Natural Gas Terms

M V K G V Y T M S I E I I E V V B J B P F Y E A Y W Y B Z H
N F W K D S N N Q L D M M B T U S X B C I N C G E D F P H H
T R T X Q I C P A X Q G Z S F G M P I F A Y N D U Y N U E M
R K D W A I L O S T B R F E I A H K K E W K I J V S S F T J
J S O Y I Z B Y N A U K E S L E F F L X C S C C G Q F P H Q
Q N J Z P N J B S E G R Z V J U O W F T X S U X V J F K E G
B X Z O W O T J S W Q E A N L T V V Y K E Y I N Q M C U R B
Y R A K O P P Z N C M Z R L Y M V C Q S P O Y P M W M S M V
X K W U N I Q E T Z F D W A G J G C C G K P O O T Y P H G N
M E R A L F T M C W G E U R L A M X N E D V J P L W Y E V E
Z Z T P A L T A R A L T M A Y F S R G W C S O H E J P A Z L
S F P W O Z F H R L C R I C O N D E N T H E R M Z X B T A B
C A R L A V G N S A Z W U I H U G S F S L F Y P H Q M I K Y
P T G M Y K J T E A T S M N P V M I Q E V A F K A Z L N V J
X B P H B F R Z A T G E Z B C G Z D N O R W P K H G Z G I F
B R D F C E M L V O I Q B L T L F U O Y L H R Z F P M V L N
H O V C A I N I Z O T P O M U C Z E I I C P C G S Q D A N O
P O H M W V R B L F P O G E H F J G T B F F P E T I T L E V
C O N T R A C T M C E D R K R L M A A C G N V N M T V U A U
M A B T R A C N U I Y F Z D X D Y S S M S E J J N R T E A H
M S Y W Q M R L U B C S Y F D Q K V L Q F W O Z F L J E B G
R O N L J G R Z C U T B C L Z Y H J U W A A E U B G M U Z Z
Y U P V F H F L A C G A F S Q G C S P U U M T E B J E J V F
D R K U B K W J V B W W K K N Y Y L G G Q E B N T H V Z W C
X G W D E Q Z D H T V D K Z J S A H D F A F N G W G Q R J W
Q A O N F J V Z W U B M A D A W K U W Q G S G V D F A E V X
E S L N G N U M Q E S L D E H I M Z H L Z R B I W P K S R W
R B M K Z M R E H T A K E D U C H X B O J F C Z Q X N G K M
Y H A B L W Z J H V O K I D M I U L G J X K U L O C J B D U
I S D Q Q X I L F G E E X R L S M W S Y S M V R T N L G X N

BETARATIO
BTU
CNG
CONTRACT
CRICONDENTHERM
CUBICFOOT
DEKATHERM
FLARE

FLAREGAS
FULLWELLSTREAM
HEATINGVALUE
LNG
MCF
MMBTU
NATURALGAS
PULSATION

RESIDUEGAS
RICHGAS
SOURGAS
SCF
SWEETGAS
THERM
VACUUM

Breaktime (cont.)

Natural Gas Terms & Definitions

Beta Ratio: The measured bore diameter of an orifice plate divided by the measured internal diameter of the meter tube; this ratio should be in the range of 0.20 to 0.60 for minimum uncertainty in measurement.

Btu: A traditional unit of energy known as "British Thermal Unit." It is the amount of energy needed to cool or heat one pound of water by one degree Fahrenheit, and is a common unit in the petroleum industry for quantity of energy transferred as heat.

Compressed Natural Gas (CNG): Natural gas in high-pressure surface containers that is highly compressed. Used extensively as a transportation fuel for automobiles.

Contract: A legal document which specifies mutually agreed upon terms between buyer and seller for measurement, sampling, auditing, testing, data retention, and settlement of disputes.

Cricodentherm: The highest temperature at which two phases (liquid and vapor for most processes) can coexist. This point has both theoretical and practical importance for transporting natural gas.

Cubic Foot: The volume of a cube with dimensions of one foot (12 inches) in each of its three dimensions.

Dekatherm: Ten (10) therms or one million (1,000,000) British thermal units (Btu).

Flare: Burning of gas for the purpose of safe disposal.

Flash Gas: Gas which evolves (flashes) from a hydrocarbon liquid due to reduction in pressure, increase in temperature, or both.

Full Well Stream: Well stream gas that has not had separable liquids removed, such as water, oil or condensate. When full stream gas is measured through an orifice meter, excessive uncertainty is introduced.

Heating Value: Quantity of heat produced from the complete combustion of a unit quantity of a hydrocarbon fuel where the products of combustion are gaseous CO₂ and liquid water at base conditions. This is measured in Btu per standard cubic foot.

Liquefied Natural Gas (LNG): Natural gas which has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure. In volume, it occupies 1/600 of that of the vapor at standard conditions.

Mcf: One Thousand (1,000) standard cubic feet of gas. "M" is the Roman numeral equivalent to 1,000 and "cf" is cubic feet.

MMBtu: One Million (1,000,000) British thermal units (Btu). "MM" from the Roman Numeral M (1,000), in this case means one thousand multiplied by one thousand, or one million.

Natural Gas: A naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in porous geologic formations beneath the Earth's surface, often in association with petroleum. Natural gas normally has methane as its principal component.

Pulsation: Pulsation is the presence of pressure waves, in the pipeline at a frequency and of sufficient amplitude so that excessive measurement uncertainty is introduced.

Breaktime (cont.)

Residue Gas: Natural gas from which processing plant liquid products have been extracted.

Rich Gas: Gas that is unprocessed or partially processed and has been produced from a strata containing condensable hydrocarbons.

Sour Gas: Gas found in its natural state containing such large amounts of sulfur compounds and/or CO₂ as to make it impractical to deliver without purifying because of its corrosive effect on piping and equipment (and in the case of sulfur compounds such as hydrogen sulfide, its toxicity).

answers on page 29

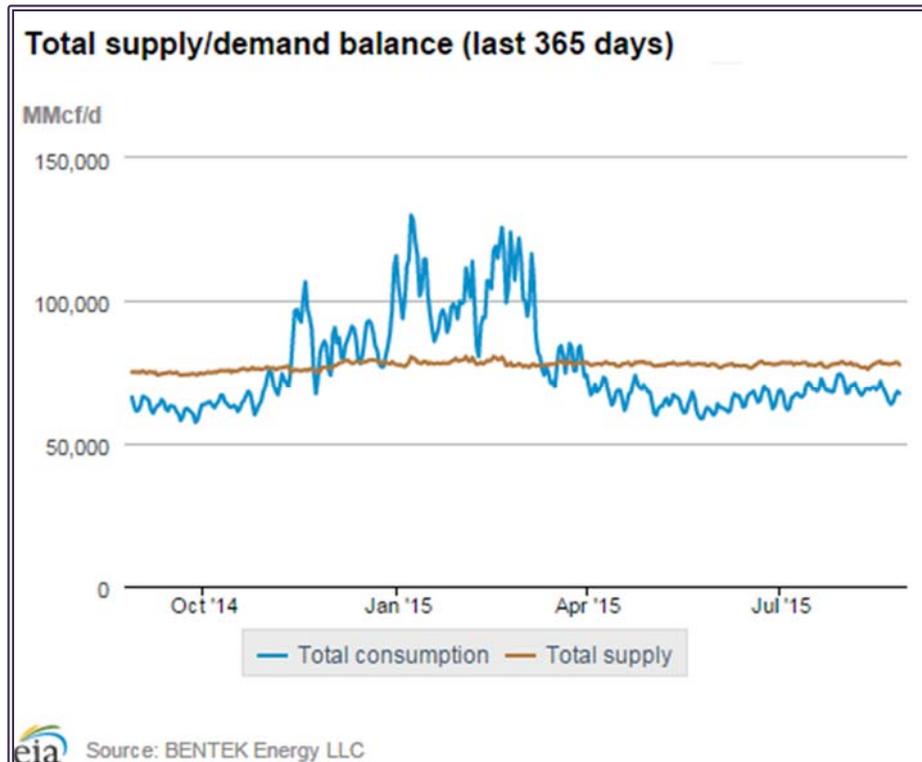
Standard Cubic Foot (Scf): The most common unit of measurement of gas volume in the U.S. The quantity of gas occupying a cubic foot of space at a specific conditions of temperature and pressure.

Sweet Gas: Gas found in its natural state containing such small amounts of sulfur compounds and/or CO₂ that it can be delivered without purifying. Also, gas that has been processed so that it is rendered sweet.

Therm: A unit of heat energy normally equal to one hundred thousand (100,000) British thermal units (Btu).

Vacuum: Measurement of the amount that the pressure is less than atmospheric pressure.

~COURTESY OF



Refracturing Saves on New Drilling & Completion Costs While Increasing Production

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~WRITTEN BY CLAY TERRY & WILLIAM RUHLE

June 5, 2015 - Since the early combination of modern horizontal drilling and hydraulic fracture technologies in the Sleeping Giant project in Richland County, Montana, drilling and completion practices have continuously evolved. With modest beginnings, this project ultimately became known as the Elm Coulee Field. It has since produced 149 million stock barrels (MMSTB) of high-quality crude, a leader among several fields in the Bakken and Three Forks Formations of the Williston Basin. With more than 12,000 horizontal wells drilled and completed in the Bakken/Three Forks petroleum system¹, a significant percentage of existing horizontal wellbores had suboptimal completions. This could be attributed to any of the following factors:

- ★ Short lateral extent
- ★ Vintage wellbore construction that did not exploit modern methods unavailable at the time of completion
- ★ Problematic well circumstances, such as breaches in wellbore isolation
- ★ Suboptimal number of fracture stages or spacing compared with current design
- ★ Low completion efficiency along the lateral attributed to ineffective fracture stimulation of each formation entry point
- ★ Insufficient fracture conductivity of primary treatments (for example, low fracture conductivity associated with slickwater treatments used in liquids-rich reservoirs)

Additionally, 60 to 70 percent of existing horizontal wellbores in the Bakken/Three Forks system are not contributing to well production.^{2, 3, 4} Considering this information and the current low price of oil, important

questions arise regarding motivation for continued activity rather than waiting until commodity prices improve.

- ★ Why should operators expend capital in this sub-\$65/barrel of oil equivalent (BOE) environment rather than wait until prices improve?
- ★ What options do operators have to increase value in this downturn?
- ★ Are these options economically competitive for stakeholders with similar performance during the past five years?

Many well reviews have already created compelling cases for investing in recompletion efforts for horizontal wellbores. These recompletion jobs take advantage of existing wellbores with drilling and primary completion expenses considered to be "sunk costs," eliminating such costs as part of a project investment consideration. Recompleting many existing wellbores can provide significant opportunities for enhancing wellbore production, potentially adding new reserves at an improved unit cost of production compared to virgin well construction metrics.

REFRACTURE, RE-ENTRY & REMEDIATION

Horizontal recompletions can be categorized as refracturing, re-entry or remediation. A refracture is a secondary fracture treatment after a period of producing time. A refracture service is applied to access underperforming or noncontributing portions of the

Refracturing (cont.)

reservoir, usually without mechanical zonal isolation. This helps increase percentage contribution from the overall lateral and reservoir drainage efficiency. Re-entry operations often feature two techniques. One type is a recompletion operation that installs a liner and modern completion in an original openhole wellbore. A re-entry operation could also be a side-track operation designed to redrill and complete an existing well with a new lateral arm. A remediation is an application where the primary completion experienced a design failure, preventing the initial fracture treatment program from being completed as designed. For example, in a well that experienced mechanical damage during the primary completion, the lateral can be reperforated and treated with a refracturing service to stimulate reservoir area previously forfeited. Figure 1 illustrates 37 applications of one refracture service during 2013 and 2014, with 30 in the Rockies area and seven in the San Joaquin basin.

Several operators recognize opportunities in their current portfolio of assets that have economic value even in today's market. Successful opportunities take advantage of proven technologies, best practices, and available equipment and skilled personnel in a highly competitive service sector to increase production. This will help improve average well completion efficiency, and often add reserves, at competitive economic levels to their own recent development costs in a higher commodity price environment. This article addresses practical opportunities for well operators to add productive capacity, arrest aggressive production decline rates and often increase economic ultimate recovery (EUR) through refracturing existing lateral wellbores. Compelling evidence exists to motivate an industry-wide focus on refracturing in this depressed commodity price market.

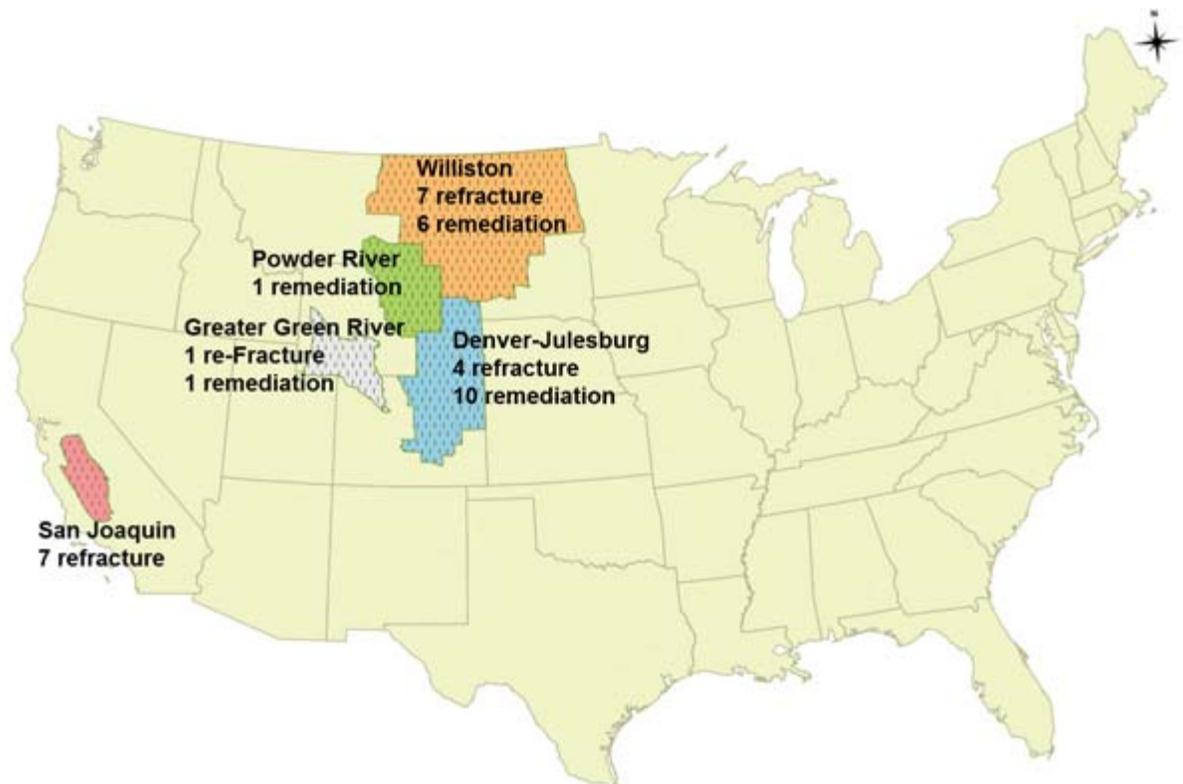


Figure 1. Wells by geological basin with refracture services (Graphics courtesy of Figure 1. Wells by geological basin with refracture services (Graphics courtesy of Halliburton))

Refracturing (cont.)

CASE STUDY: WILLISTON BASIN

Candidate selection for this Bakken project began with the construction of a database of horizontal wells targeting the Bakken/Three Forks play. Reservoir quality was high-graded on metrics, including normalized production (BOE/feet of lateral) as well as gas-oil ratio (GOR) and water-oil ratio (WOR), with a focus on a known highly productive area—the Sanish Field in North Dakota. A simpler and more holistic method that benchmarks well productivity on 24-month cumulative oil production is illustrated in Figure 2. The histogram indicates the candidate acreage and wells are in the upper 50th percentile of the entire Bakken play. Underperforming wells can be identified by characterizing the production profile using decline analysis, pressure transient analysis and comparatively lower production.

incorporated several well histories. Well 1 was a suboptimal completion attributed to 2008 vintage well construction practices. Well 2 was a more modern completion in 2010 with high initial production behavior and steep, hyperbolic decline. Both Wells 1 and 2 were offsets in the same unit with drill spacings of approximately 1,800 feet between wellbores. Well 3 was a candidate to perforate new pay in the heel portion of the lateral where the pre-existing perforations and an additional eight stages in new pay were treated with a refracturing service. Well 4 was refractured commensurate with a new infill completion within the drilling space unit (DSU). The need to provide protection for existing wellbores when planning for an offset new infill well completion often adds sizable costs to that new completion. In such cases, the additional cost to refracture the existing wellbore during the same

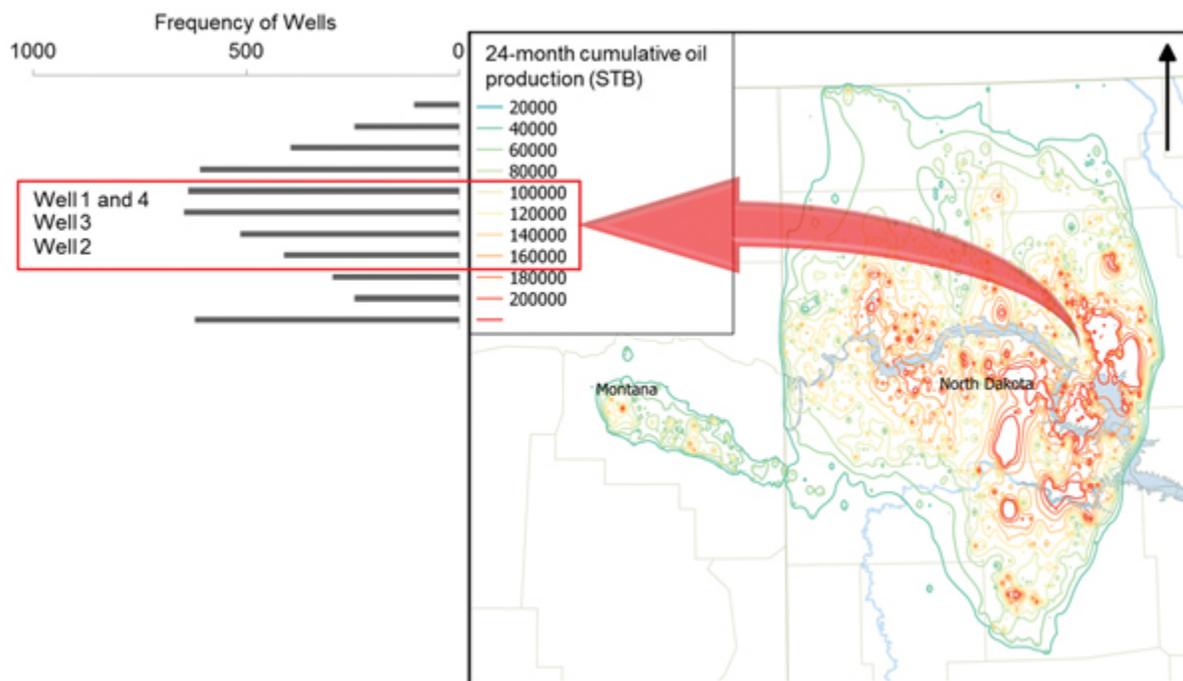


Figure 2. Benchmark of well performance by cumulative production (normalized to 10,000 feet lateral length)

The refracture project had four wells in several drilling spacing units. The economic assessment of a refracture project should encompass a group of wells large enough to quantify the average production uplift. This project

operation is often seen as minimal compared with fracture protect costs for the infill well. Therefore, the net expenditure to refracture is effectively lower when it is needed due to infill drilling. It can also provide a

Refracturing (cont.)

method for mitigating production losses in the existing wells caused by well bashing from infill stimulation.^{5, 6} The refracture designs consisted of multiple cycles of proppant separated by using a refracturing service, placing approximately 1.5 MM lbm of proppant in each well. All the refractured wells experienced significant uplift in terms of production compared with the baseline forecast, ranging from 56 to 286 percent incremental production at six months. In addition, all of the refractured wells exhibited arrested declines and reduced GOR, indicating stimulation of reserves that were not previously being drained efficiently. Offset wellbores were also observed. In several of the cases, the DSU as a whole experienced a marked increase in well productivity after the refracture treatments of the study wells. Neighboring wells within the DSU also observed up to 30 percent uplift in productivity. Figure 3 is a plot of the total oil production rate for all four wells refractured in the project. An incremental increase of 81.4 MSTB of oil was produced within the first 270 days after the refracturing operations.

CASE STUDY: DENVER-JULESBURG BASIN

Four horizontal wells drilled from the same pad location and within a single DSU of the Wattenberg Field in Colorado were refractured. This took place in the Codell, Niobrara formation, specifically the Denver-Julesburg Basin. The primary completions were conducted in 2011. Refracturing treatments were conducted on each well in 2013. The primary objective to achieving economically successful refracture treatments is to contact reservoir supplies that have not been previously drained. One stimulation service helps achieve this goal by diverting stimulation fluids at the fracture face with patented self-degradable materials that do not require mechanical intervention for isolation. The refracture service treatments were performed in multiple proppant cycles separated by refracture service diversion materials, which are tailored in real time during the treatment as a function of net pressure diagnostics. Even with a 263 percent uplift in oil production compared with baseline

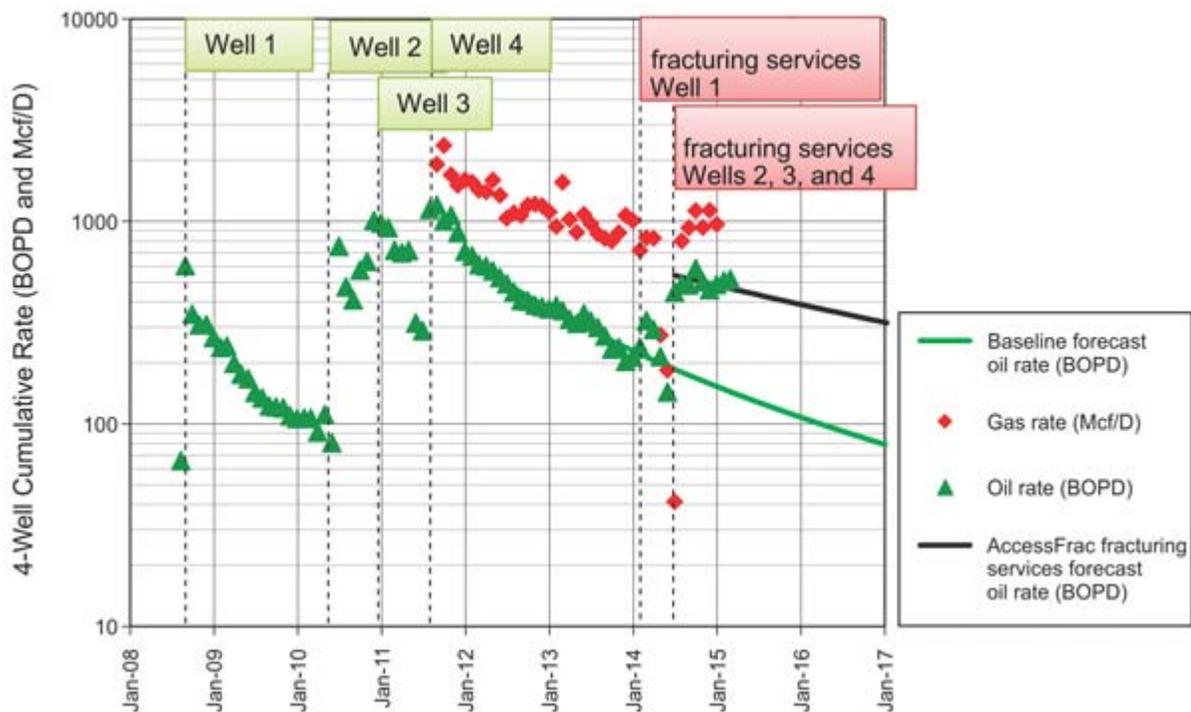


Figure 3. Daily production rates for Sanish field refractured wells and offsets

Refracturing (cont.)

forecasts for the four-well Niobrara refracture unit, the GOR ratios for each well were significantly reduced. This supports the belief that the reservoir drainage area has been increased, providing both increased reserve estimates and accelerated production rates. At a four-well cost of \$4.245 million (mid-2013 pricing), the projected increase in net present value (NPV) for the project exceeds \$600,000 above costs based on current commodity prices.

FRACTURING SERVICES PROCEDURE

Simply bullheading a refracture treatment into a well does not provide control of fracture placement and is one reason why some refracturing treatments, often aptly labeled "hail Mary fractures," are economically unsuccessful. One refracturing service process helps achieve a more effective distribution of hydraulic fractures by inducing diversion away from the existing fractures through an initial wellbore preparation step. The process mitigates leakoff into existing fractures and initiates fractures in portions of the lateral not previously stimulated. The refracture treatment program is pumped with a high intensity of proppant cycles to stimulate a higher proportion of the lateral and enhance fracture conductivity into the reservoir. Slurries containing patented self-degrading diversion materials are pumped intracycle to initiate new fractures. Proprietary pressure diagnostic tools are used to customize the diversion slurries in each cycle to maximize the stimulated reservoir volume. Figure 4 is an example of a refracture

stimulation treatment in a Bakken formation well. The treatment consisted of a single, continuous fracturing operation, partitioned by a 23-cycle diverter drop procedure to effectively distribute proppant along the length of the lateral wellbore.

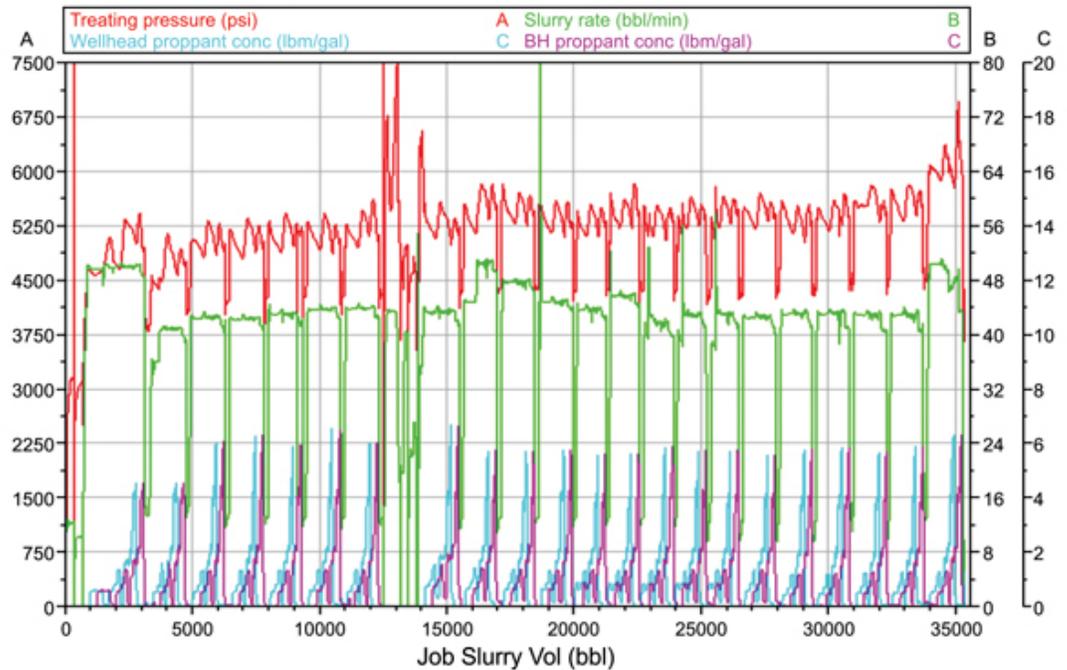


Figure 4. Refracture treatment with intracycle diversion in Bakken Formation

ECONOMIC IMPACTS

Properly engineered refracturing applications have great potential for many operators who have early vintage horizontal wellbores. Other good candidates include wellbores exhibiting low completion efficiency behavior; wellbores that experienced well construction problems during the original drilling and completion; wellbores in which liner completions were never installed; and even wellbores that have developed production limitations attributed to mechanical integrity through time. The Bakken refracturing project showcased here resulted in significant production boosts over the projected baselines (65 to 226 percent cumulative uplift in 12 months), a reduction of production decline, reduced GOR and offset well production uplift in several of the DSUs within which

Refracturing (cont.)

the target wells reside. The Bakken refracture project total cost was \$5.345 million, projects a 28-month payout, and a NPV of \$2 million. The resulting internal rate of return (IRR) on invested capital deployed is 38 percent (2015 Energy Information Administration (EIA) strip at \$52.15/STB). Most impressive is the marginal cost of production compared to historical development costs from new well construction. The Bakken refracture project marginal cost of production is \$13,363/BOE/day compared to reported operator's average development cost of \$48,480/BOE/day.⁷ This metric alone should motivate many operators to take a hard look at refracturing economics for their portfolio of wells. The ability to add production for less than one-third of the cost of normal development cost metrics provides high value for the average operator in this downturned market (see Figure 5).

The question of why an operator should expend capital in this market is boldly answered by the results of these refracture programs. The economics are impressive, and the marginal cost of production stands in stark contrast to the looming concerns of an industry reeling from sharp economic declines. Opportunities exist for well operators to add value, increase economic production and deliver impressive return on invested capital for

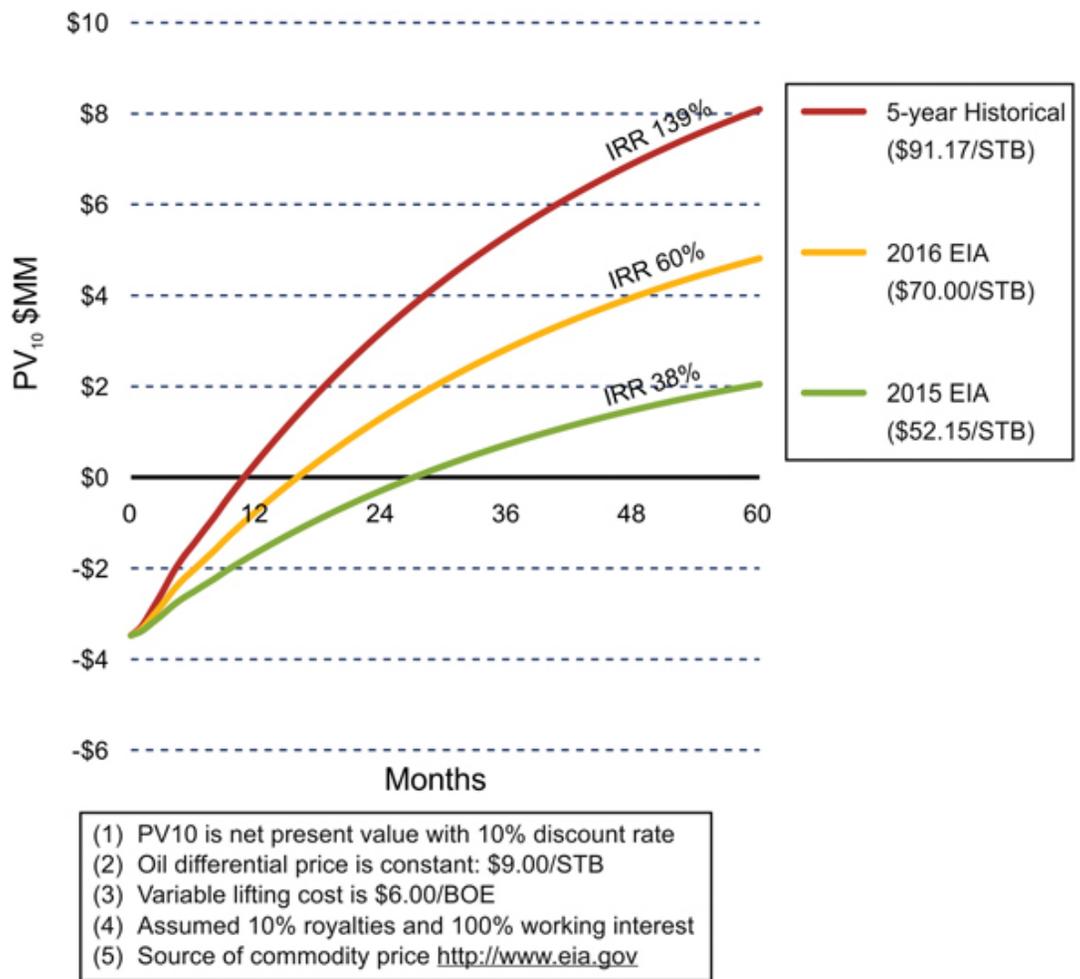


Figure 5. Economic impact of refracture project in Sanish Field, North Dakota

stakeholders. Horizontal recompletions provide the avenue to attractive, if not superior, economics, even in this depressed commodity price environment.

Refracturing (cont.)

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For more information about Halliburton's HzR Recompletions Service and AccessFrac Stimulation Service, visit halliburton.com.

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Fundraiser Fun

San Antonio Golf Tournament



Oilmen's Invitational

You are cordially invited to participate in the Third Annual "Sonterra Oilmen's Invitational" Golf Tournament sponsored by the San Antonio Desk and Derrick Club, BlackhawkST, Lost Circulation Management, Mike Jordan, Inc., North American Tubular, & Delaune Drilling. This event will be held at the Club at Sonterra on **Friday, October 16, 2015.**

The format will be a two man team match play. We will have four teams in each flight - all teams in each flight will play one another. We will tee off at 8:00am Friday morning. Play will consist of (3) nine-hole matches in the following order:

Low ball

Select Drive- (shamble, combined scored)

Two man scramble

- This tournament will be flighted and handicapped within each flight.
- The flight winners, in addition to winning prizes, will also participate in a "horse race" to determine the grand prize winner. The horse race will be alternate shot.

This is a one day tournament; we will be limiting the size to 96 participants (48 - two man teams). Teams will gain entry on a "date entry received" basis. We will conduct a "Super Calcutta" at 7:00pm on Thursday, October 15, 2015 at The Club at Sonterra.

The entry fee for this is \$500/team; (cc will be charged \$510), additional bidding will be accepted for team evaluations on October 15, 2015 at The Club at Sonterra.

Please send applications and entry fees to:

Joe LaPorte c/o BlackhawkST
107 Talavera Parkway, Suite 723
San Antonio, TX 78232

Checks should be made payable to: San Antonio Desk and Derrick Club. Credit Cards will also be accepted. Entrys can also be emailed to joelaporte28@yahoo.com

Since this tournament will be awarding cash prizes, all tournament handicaps will be subject to verification and/or adjustment by tournament directors. The directors are as follows:

Joe LaPorte 361.876.5842
Zac Winkler 432.266.2666
Scott McCarthy 210.215.3143
Jason LaGrega 361.945.6453

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Interactive Web Sites

Drillbox

Have you ever had a chance to use drillbox? It is an interactive map with information about individual wells and it's free! Play with the different layers and make your maps as detailed or basic as you would like.

The top screenshot shows the Drillbox interface with a map of the United States. A table below the map displays the following data:

Info	API ID	Well Number	State	County	Permit Issue Date	Permit Number	Operator	Final V
Details	49-003-20369-00-00	1	WYOMING	BIG HORN	09/14/1976	20369	ENERGETICS INC	ACTIVE PI
Details	49-003-20370-00-00	17	WYOMING	BIG HORN	05/24/1976	20370	MARATHON OIL COMPANY	OIL WELL
Details	49-003-20375-00-00	31	WYOMING	BIG HORN	06/09/1976	20375	KOCH PRODUCTION COMPANY	OIL WELL

The bottom screenshot shows the same interface but with a legend on the right side. The legend includes the following options:

- Base Map
- Terrain Map
- Satellite
- Shale Play
- Shale Basins
- CBM
- Tight Play
- Counties
- Section-Township-Range
- Texas Survey

You can see when permits were issued, completions and production!

Education Moment

“Flow Extensions” – What do they mean to me?

~BY COASTAL FLOW MEASUREMENT COMPANIES

CoastalFlow[™]

i Measurement[®]

In orifice measurement, the *flow extension* represents the major contribution of the flow variables (static pressure, differential pressure, and sometimes temperature) to the overall flow calculation. While not normally used by most downstream Electronic Gas Measurement (EGM) systems, this value can be utilized to manually calculate gas volumes for a differential meter over a specific time period with minimal added uncertainty.

The U.S. Department of the Interior's Bureau of Land Management (BLM) now asks producers to include the *flow extensions* for their monthly gas production volumes reported on their monthly volume statements. This value is one of the mandatory items in the BLM list of regulatory requirements for a comprehensive measurement audit trail.

Though flow computers from different manufacturers vary in how *flow extensions* are generated, they're generally stored in the flow computer's logged electronic data and available for producing a volume statement in a downstream data management application such as the Flow-Cal[®] Enterprise[™] system. However, be aware that not all data collection systems are routinely configured to download *flow extensions* or export them to the software used for generating the volume statements.

If you are operating on BLM-administered properties, we strongly recommend that you confirm that you're properly logging this number in your measurement process and including it in your reports...before the BLM performs an audit. The *flow extension* is just one of the many requirements needed to comply with the BLM. For more information on all of the BLM's current requirements for your production operations, visit their web site at www.blm.gov. As an example, if you are operating in NM, OK, TX, and KS, the BLM Onshore Orders for that region may be found by clicking [here](#), and the BLM's latest standards for EGM are available by clicking [here](#) for the document in PDF file format.

Thank you for your interest.

Mark B. Fillman
Chief Operating Officer

The Coastal Flow Measurement Companies



Desk and Derrick Club of Roswell

Oil and Gas Industry Wins a Few Battles



KARIN FOSTER, LEFT, RECEIVES AN APPRECIATION AWARD FROM MARINA MAHAN, PRESIDENT OF THE DESK AND DERRICK CLUB OF ROSWELL, AFTER A SPEECH TUESDAY NIGHT AT THE ORGANIZATION'S 63RD ANNUAL INDUSTRY APPRECIATION BANQUET. (JEFF JACKSON PHOTO)

August 19, 2015 - The oil and gas industry is facing bad news economically but good news environmentally.

That was the summarized message Tuesday night from Karin Foster, the executive director of the Independent Petroleum Association of New Mexico, who delivered a keynote address to the Desk and Derrick Club of Roswell, which has its 67th annual Industry Appreciation Banquet at the Holiday Inn.

While the per-barrel cost of oil will continue to sink, oil and gas developers in New Mexico this year have won a series of battles with land-use protectors, the self-described lobbyist Foster said.

"Our industry is facing really tough times right now. We all know that it's a cyclical industry. Things are great and sometimes things are not so great. We just have to make our way through, have stiff backs and dig our way through. And this is one of those times," she said in an opening statement. "I personally as a lobbyist, as an attorney who has been in this industry in the trenches for the last 12 years, I really honestly believe that the tide is turning. I think that we've hit rock-bottom and things are going to change."

"Now that doesn't mean that I'm telling you that commodities aren't going to drop anymore because I think that they will, unfortunately. Everything that I've heard from the economists is we're probably going to go down as low as \$37 a barrel. That's not great and I wish that I could control it for you but unfortunately I can't control Vladimir Putin."

On the plus side, Foster explained, is a series of environmental-themed victories pertaining to drilling in rural lands, water recycling, fending off a lawsuit and even biting back against the Mexican gray wolf.

The IPANM challenged Mora County in federal court that it should be allowed to drill in that northern New Mexico county, which had passed a preventive ordinance.

"Mora County was the first county in the nation that decided they didn't want to have oil and gas drilling in their county," Foster told the gathering of Roswell and Artesia oilmen. "It was unpopular. They just didn't want it. It even meant (the ban of) hauling petroleum products up and down I-25. We took the case to federal court and a federal judge agreed with us that that ordinance was invalid."

D&D of Roswell (cont.)

Foster also talked about an environment-first organization took the state and the oil and gas industry to court unsuccessfully to stop potential exploration in northwest New Mexico.

“The BLM Farmington office was sued by the wildlife guardians last March for leasing 239 parcels to oil and gas companies and the suit alleged that the Farmington field office had not done their requisite resource studies and their air quality studies and their water studies and on and on,” she said. “What the Farmington field office has done is that they have contracted with New Mexico Tech to look at the increased production as a result of resources. ... Because the Native American community is involved, all of a sudden it’s become the poster child for the environmental community. The oil and gas industry is fed up. The good news here is that the industry is fighting back and they’re fighting back hard. I know that the Farmington field office is very glad that industry has stepped in on their side to support them

and industry is fighting back against the environmentalists.”

At the end of her 30-minute presentation, Foster discussed how her agency won state approval to use recycled — or “dirty” — water.

“In March, the New Mexico Oil Conservation Commission passed Rule 34, which is to allow the recycling of produced water to create recycling facilities here in New Mexico,” she said. “In the big picture, oil and gas doesn’t use as much fresh water as, for example, golf courses or municipalities, so the industry has moved toward using more dirty water, but it can be used for hydraulic fracking, which is good news. The good news is you can use less fresh water and the better news is that the oil conservation division and industry work together to pass this recyclable (issue).

“Why is it important that we have recycling in New Mexico? Because if you use recycled water you use less fresh water, for one, and, two, hopefully we will ultimately we bring our costs down because we won’t have to haul that water off as far and we can put it into commercial facilities,” she said.

REPORTER JEFF JACKSON CAN BE CONTACTED AT 575-622-7710, EXT. 311, OR reporter02@rdnews.com.

Flashback

WIKIPEDIA - THE ROSWELL DAILY RECORD IS A LOCAL NEWSPAPER LOCATED IN ROSWELL, NM, AND HAS A CIRCULATION OF LESS THAN 25,000. THE PAPER IS WELL KNOWN IN THE UFO COMMUNITY BECAUSE IT WAS THE NEWSPAPER THAT REPORTED IN 1947 THE ALLEGED ROSWELL UFO CRASH. THIS NEWSPAPER IS OWNED BY ROBERT BECK.

"ROSWELLDAILYRECORDJULY8,1947" BY DREW PEACOCK - SOURCE: [1]. LICENSED UNDER PUBLIC DOMAIN VIA COMMONS - [HTTPS://COMMONS.WIKIMEDIA.ORG/WIKI/FILE:ROSWELLDAILYRECORDJULY8,1947.JPG#/MEDIA/FILE:ROSWELLDAILYRECORDJULY8,1947.JPG](https://commons.wikimedia.org/wiki/File:RoswellDailyRecordJuly8,1947.JPG#/media/File:RoswellDailyRecordJuly8,1947.JPG)



Updates from the Committee Chair...



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Mary T. Vaughan

2015 Registrar ADDC Committee Chair

EXCO Resources Inc

12377 Merit Drive

Dallas, TX 75251

(214) 210-8382 O

(214) 210-6972 F

(817) 797-7696 C

Email: mvaughan@excoresources.com

To ADDC Board, Delegates and Association Members

The word credential is defined as “something that shows a person is entitled to credit or confidence, or has the right to exercise official power.” For voting purposes at Convention, all delegates (as representatives of the voting body) must have the proper credentials. Alternate delegates, if any, who may stand in for a delegate in case of emergency, must also be confirmed. This is accomplished through the ADDC Credentials Form CRED1 (for ADDC Convention). Even if a club will NOT be represented at Convention, the form must be completed, signed and returned to the Registrar Committee chair and Registrar representative for your region. Delegates **SHOULD** also retain a copy of the form to bring to Convention for verification.

President, please be sure to pass this information onto your delegate and alternate. For those of you who have never served as a voting representative, listed below are a few helpful suggestions:

1. Delegates/alternates are required to check in at Registrar Table at least 30 minutes prior to each business session. The tables are usually located just inside the main door of the meeting room
2. Upon reaching the Registrar Table, delegates/alternates are to produce a copy of the official credentials form for verification and sign in. This procedure will be followed for all business sessions.
3. Delegates/alternates from each club **MUST** sign in together, saving time and confusion.
4. Beginning with the first session on Friday, a numbered badge will be issued to the delegate to wear during all business sessions. This badge will be the delegate's responsibility and must be retained and worn until the final business session on Saturday, at which time, it should be returned to the proper registrar committee representative.
5. If it becomes necessary for a delegate to leave the room during a business session, the badge must be passed to the alternate for use during the absence of the delegate. If there is no alternate, a registrar committee representative should be notified immediately.

If you have any questions, please contact your Registrar representative, or myself at mvaughan@excoresources.com.

Updates from the Committee Chair (cont.)...

...2015 REGISTRAR ADDC COMMITTEE (CONT.)



A very special THANK YOU to your Regional Representatives

Region I	Beverly Kovacevich
Region II	
Region III	Dolores Hawkins
Region IV	Mary T Vaughan
Region V	Diana Walker
Region VI	Kay McKinley
Region VII	Brian Carter

There are 54 clubs in the Association. 50 have filed credentials to attend Convention. Four have advised they will NOT be attending.

Mary T Vaughan

Mary T Vaughan
2015 ADDC Registrar Chair

ASSOCIATION OF DESK AND DERRICK CLUBS
ADDc REGISTRAR COMMITTEE FORM
Deadline: August 1

SEND TO:
ADDc Registrar Committee:
Region Representative
Committee Chairman
Regional Director
Club Official Delegate

Date: _____
From: _____
(Club President)

(Address)

PHONE: (City, Prov/State, Zip/Postal Code) _____

Please complete Section A if attending or Section B if not attending Convention.

A) This is to certify that the following Official Delegate and Alternate Delegate have been named by _____ (Club Name) to attend the Annual Convention of the Association of Desk and Derrick Clubs.

OFFICIAL DELEGATE
Name: _____
Company: _____
Mailing Address: _____
Office Phone: (_____) _____ Zip/Postal Code: _____
Office Held in Club: _____ Home Phone: (_____) _____

ALTERNATE DELEGATE
Name: _____
Company: _____
Mailing Address: _____
Office Phone: (_____) _____ Zip/Postal Code: _____
Office Held in Club: _____ Home Phone: (_____) _____

B) This is to certify that the _____ (Club Name) will not be represented at the Annual Convention of the Association of Desk and Derrick Clubs.

Submitted by: _____ (Club President) Region: _____
_____ (Club Name) Date: _____

Rev November 2014
1

CRED

“Even if a club will NOT be represented at Convention, the form must be completed, signed and returned to the Registrar Committee chair and Registrar representative for your region. Delegates SHOULD also retain a copy of the form to bring to Convention for verification.”

~Mary T. Vaughan

Little Brother To The Utica and Marcellus

Permission to reprint granted by **HART ENERGY**

~WRITTEN BY GREGORY WRIGHTSTONE, WRIGHTSTONE ENERGY CONSULTING

July 1, 2015 - Energy news from the Appalachian Basin has been dominated for the last decade by the natural gas behemoth that is the Marcellus Shale. Singlehandedly, this super-giant natural gas reservoir has transformed the North American energy markets with its vast reserve potential and production rates. Recently, the deeper Utica Shale has been getting a lot of notice with its consistent high production rates in the wet gas window of Ohio and some attention-grabbing high IP rates in the dry gas windows in eastern Ohio, extending into Pennsylvania and West Virginia.

A third resource shale play, the Burket/Geneseo Shale, is being developed in much of the same geographic areas as the current Marcellus Shale development in Pennsylvania and West Virginia. This reservoir has not produced the same eye-popping production numbers as the other “Big 2” shales to date, but the play is still in its early field development stage, and it is certainly likely that operators will improve and fine-tune their completion and drilling techniques as the play moves into the full development stage. This reservoir will never challenge the Marcellus or Utica in its productivity or

size of resource potential, although total reserves may be significant.

It is likely that the play will benefit from several advantages, including its stacked pay potential, liquids-rich production in some areas and possible flat decline rates.

As of mid-April 2015, a total of 85 Burket/Geneseo horizontal wells have been completed as productive, with an additional 99 wells either in the drilling phase or awaiting completion. Nineteen companies have drilled Burket tests in the two identified core areas; however, most are concentrated in the southwest part of the play (Figure 1). EQT Production has been the leader in development of this resource with more than 60 wells either

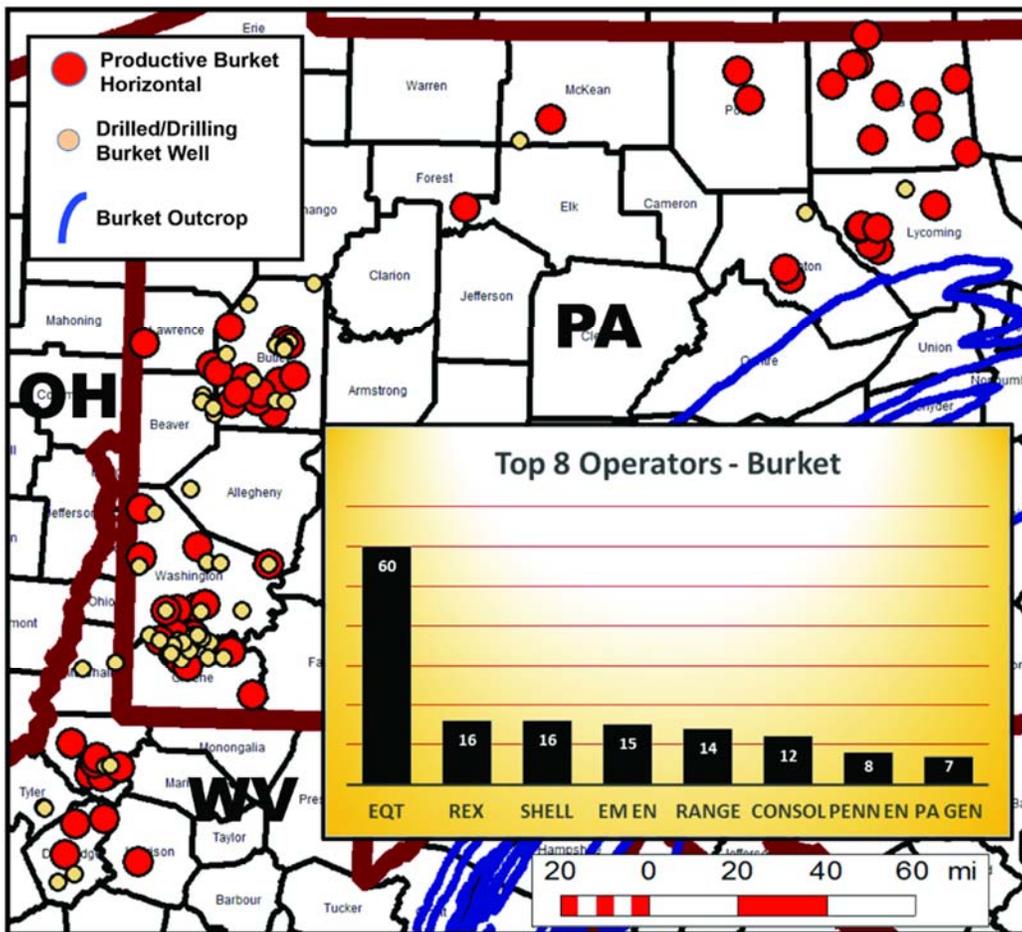


FIGURE 1. Active Burket/Geneseo wells are located in the same areas as the Utica and Marcellus shales. (Source: Wrightstone Energy Consulting)

Little Brother (cont.)

completed or in the process of drilling/completion, with an additional 40 Burket wells planned for 2015.

GEOLOGY

The Upper Devonian Burket/Geneseo Shale is the organic-rich mudstone that lies immediately above the Tully Limestone (Figure 2) and 6.1 m to more than 245 m (20 ft to more than 800 ft) above the Marcellus. The correct scientific name for this shale is Burket across most of West Virginia and Pennsylvania, while Geneseo is accepted

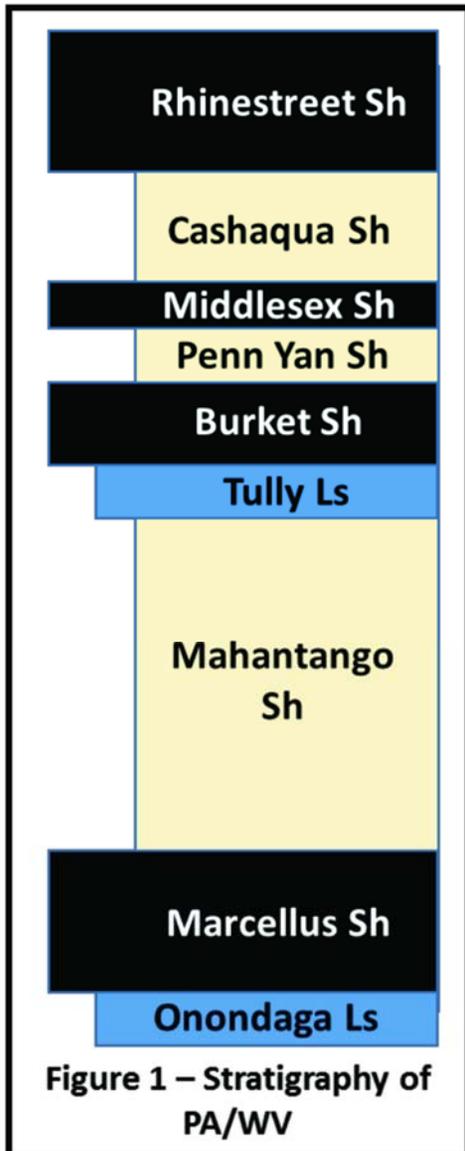


FIGURE 2. The stratigraphy of the Burket/Geneseo in Pennsylvania and West Virginia overlies the Marcellus Shale. (Source: Wrightstone Energy Consulting)

terminology in northwest Pennsylvania and New York.

The thickness of the shale expands from only a few feet in western West Virginia to more than 46 m (150 ft) in its depocenter in central Pennsylvania. Drilling depths increase from less than 1,392 m (4,500 ft) in northwest Pennsylvania to more than 2,286 m (7,500 ft) in the center of the basin. Net thickness of the organic-rich portion of the Burket is shown in Figure 3. Two sweet spots of better-quality reservoir are mapped, with most of the current productive wells located within these southwest and northern pods of increased reservoir quality.

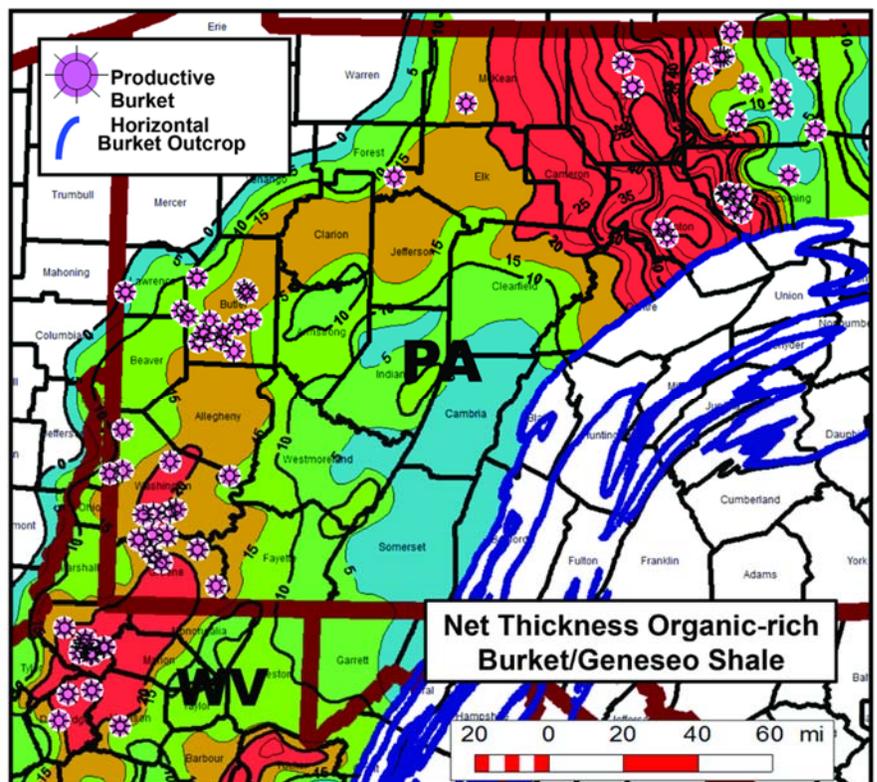


FIGURE 3. This map shows the net thickness of the Burket/Geneseo Shale, which is up to 46 m at its depocenter. (Source: Wrightstone Energy Consulting)

Little Brother (cont.)

The key geologic controls on production are projected to be similar to those that control the Marcellus Shale, with rock quality (porosity and permeability) directly related to total organic carbon (TOC) percent. There are no reliable hard data available publicly on pressure gradients at this time, but early indications and personal communication indicate that the unit is significantly overpressured, enhancing production capabilities. As with the Marcellus, structural complexity is a key negative to production performance and complicates geosteering. Additionally, since the Burket/Geneseo is significantly thinner than the Marcellus, additional geosteering challenges are presented to the operator to stay in the sweet zone of high TOC, and rotary steerable drilling may be the optimal solution.

PRODUCTION

Long-term production data are available for a relatively small database via state reporting agencies but provide enough information that some early projections can be advanced. Analysis of the available production combined with geologic mapping allows operators to identify the northern and southwestern core areas within which the highest performing Burket/Geneseo wells are located. Figure 4 outlines these proposed core areas and provides peak daily production rates for many of the wells. Only 27 wells have at least one full year of production available, and prediction of good decline curves from this limited public dataset is not possible at this time.

The southwest core area encompasses an area of 1.4 million acres and is the better of the two areas based on limited data. Five wells have at least one year of production data and averaged 42.5 MMcme (1.5 Bcfe) in their first 12 months online. Additional analysis of peak daily production confirms the general outline of this area. Wells surrounding the southwest core area have significantly reduced production volumes and average 13.3 MMcme (470 MMcfe) in 12 months.

The northern core area covers about 800,000 acres but is less proven and may not reach the production potential of the southwest area. Six wells on production had average first-year production of about 19.8 MMcm (700 MMcf). Wells surrounding this area produced less than 7.1 MMcm (250 MMcf) during the time period. Only two Burket wells have been permitted in this

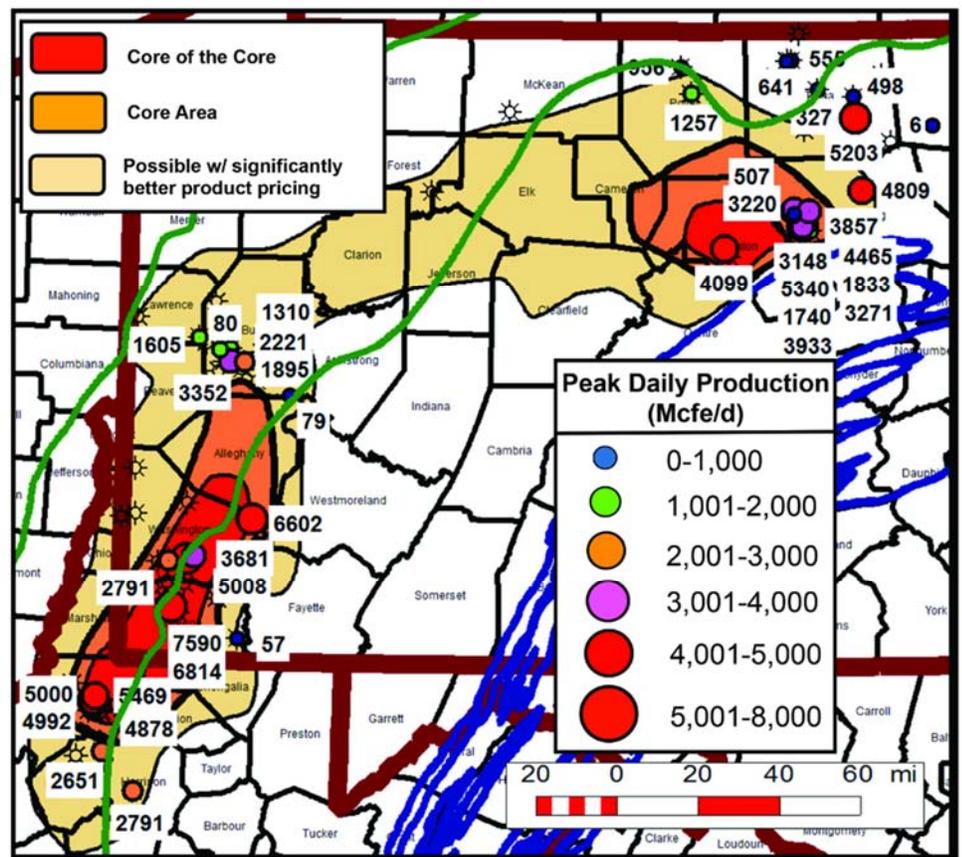


FIGURE 4. Already some wells are producing up to 226,500 cme/d (8 MMcfe/d).

Little Brother (cont.)

northern area since 2010, which may be a good indication that companies are not enamored of the production potential of the Burket in this area.

ECONOMICS AND RESOURCE POTENTIAL

Production rates from the Burket/Geneseo, while strong, lag significantly when compared to the Marcellus and Utica results. Economic analysis using a well cost of \$5.5 million (1,460-m or 4,800-ft lateral), Marcellus-type decline and gas price of \$3/28 cu. m (1,000 cf, dry gas) indicate that only the “core of the core” is economic in today’s depressed market conditions.

Potential considerations exist that may significantly affect economic viability for the reservoir:

Flat decline. Analysis of the early Burket/Geneseo wells in the southwest core area show production declines may be flatter than published Marcellus decline rates. In a recent presentation, Consol reported that its first Burket/Geneseo well, located in Washington County, Pa., had an EUR of 255 MMcme (9 Bcfe)—51 MMcme (1.8 Bcfe) per 305 m (1,000 ft)—based on actual production, compared to predicted type decline curve estimates of 164 MMcme (5.8 Bcfe)—34 MMcme (1.2 Bcfe) per 305 m;

Lower AFE costs. Drilling and completion costs can likely be reduced via utilization of existing drilling pads and infrastructure;

Liquids/wet gas. Much of the southwest core area has wet to very rich wet gas, and the economics of these wells can be significantly enhanced through liquids production and increased Btu;

Fracture growth upward. Upward fracture growth into the overlying Middlesex and Rhinestreet shales may add to the available productive capacity;

Maturation of the play. Production from early wells in other resource shale plays pales in comparison to the later wells that were developed using practices that were fine-tuned to the specific reservoir. It is likely that similar increases will be realized in this play; and

Fracture mechanics negatively affected. Significant downside may exist in delayed development of the Burket in the southwest core area. Development and production of the underlying Marcellus would likely create a negative pressure sink, leading to downward fracture growth into the drawdown Marcellus reservoir from the later completions in the Burket/Geneseo.

Technically recoverable reserves in the core of the core are projected to be 934 Bcme (33 Tcfe), with another possible 1.64 Tcme (58 Tcfe) if the remaining core areas prove viable. These numbers are likely to expand with increases in EURs through advances in completions and if the flatter decline is confirmed.

It is likely that most companies will continue to focus the bulk of their capex on the more lucrative Marcellus and Utica reservoirs to get their best “bang for the buck” in the short term, but the Burket/Geneseo holds good potential for substantial additions to the Appalachian resource base.

The Marcellus and Utica have changed industry’s perceptions and market-driven economics. The Burket is another possible super-giant natural gas field (more than 850 Bcm [30 Tcf]) in an area with well-developed pipeline infrastructure and near to the largest markets in North America. Yet few companies are rushing to develop it. The industry apparently is cursed by its own success.

About Our Association

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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.