Society of Petroleum Engineers
Four Corners Petroleum Section
November 2016 Newsletter
www.spe.org

2016 – 2017 Board of Directors
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SPE Training Opportunities
Online – More info in the links below

• Free Online On-Demand Webinars
• Free Upcoming Scheduled Webinars
• Missed Opportunities: How NOT to Pump a Refrac
• Piper Alpha – Accident or Predictable Surprise
• 360° Engineering Analysis for Managing Well Integrity

Board of Directors Update

The end of the year is drawing near! That means it’s time to renew our memberships and continue our support of this organization and the good work it does. Has your membership or that of a colleague’s lapsed? Are you busy getting ready for the holidays? Do you know of someone who would be a great member but needs a little nudging? We understand! To help, we will have a drawing to select one lucky Four Corners Petroleum Section member who renews by January 1, 2017, and give them a $100 gift card. Tell your colleagues!

We have one more DL luncheon for 2016, which will be in Durango next month at the BP office. We hope to see a big turnout! The spring schedule is still in the works, and in addition to DL’s we are hoping to offer a training course. More on this to come.

And in case we don’t see you at the December DL luncheon, we would like to wish everyone a safe and happy holiday season!

Contact Us At:
spe4corners@spemail.org

Four Corners SPE
P.O. Box 1526
Farmington, NM 87499

http://connect.spe.org/FourcornersPetroleum
The Four Corners Petroleum section of the Society of Petroleum Engineers is offering the energy4me program to anyone requesting good and defendable information about energy issues. We will tailor our presentation to meet the needs and concerns of you and your audience.

To schedule a presentation please contact Gavin Tweedie with BP at 505-320-3359.

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**SPE 4 Corners Meeting**

*Lunch & Lecture – December 8*

Please join us for the third meeting of this year.

**Who:** Ian Walton (Energy & Geoscience Institute, University of Utah) will be presenting on “The Role of Natural Fractures in Shale Gas Production: What Does Production Data Tell Us?”

**When:** Thursday, 8 December 2016 11:30 am – 1:00 pm

**Where:** Room 139/140 – BP America Production Durango Office - 380 Airport Road, Durango, CO 81303

**Cost:** $20 with RSVP, $25 at the door

Please RSVP through the event at the Four Corners Section website. Early registration available until noon Thursday, December 1st for $20; any RSVP made after or apart from the SPE website will be charged $25 at the door. The option to attend this month’s meeting, but not purchase lunch has been added to the RSVP method if you’d like to sit in for the discussion, but choose to only listen. Student members now have the option to attend, with lunch provided for free.

Please check in at the BP Front Desk a few minutes before the event begins. Olivia and Sara will take turns escorting everyone to the room.

Please find the abstract and biography for the speaker on Page 3.

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**Meeting Venue**

*BP America Production Durango Office, Room 139/140*

380 Airport Road, Durango, CO 81303

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**2016 – 17 Meeting & Event Schedule**

*Save the Date!*

**Thursday, 8 December 2016**

Ian Walton*, Energy & Geoscience Institute, University of Utah: *The Role of Natural Fractures in Shale Gas Production: What Does Production Data Tell Us?*

Room 139/140 – BP America Production Durango Office

**Spring 2017 Schedule TBD**

**May 2017**

SPE Oilman’s Shootout

TBD

*denotes SPE International 2016-17 Distinguished Lecturer Series*
The Role of Natural Fractures in Shale Gas Production: What Does Production Data Tell Us?

Abstract

Natural fractures are very common in shale gas plays. It is often presumed that because the formations are so tight, gas can be produced economically only when extensive networks of natural fractures exist. The creation of large fracture surface area in contact with the reservoir is considered essential to commercial success. This is facilitated by multistage hydraulic fracturing of long horizontal wells using large volumes of low-viscosity (low-cost) fracturing fluid. However, the efficiency of this process in terms of water usage is now coming under close scrutiny. The success of these operations is beyond doubt, but what can be inferred about the accuracy of this conceptual picture in light of many years' accumulated production data? What does production data tell us about the role of natural fractures? This presentation addresses these issues by using a semi-analytic shale gas production model to analyze and interpret production data from many shale gas wells across several different plays.
SPE Four Corners Sponsorship

There is now an opportunity for non-profit groups seeking sponsorship to apply for funding though Four Corners SPE. As an example of sponsorship opportunities, last year, SPE Four Corners sponsored a Lego League Team, a global program created to get kids excited about science and technology.

Please find the necessary documentation here and submit to Olivia Bommarito. The donation form can also be found on the Four Corners SPE home page.

**Donation Request Form**

SPE Four Corners

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**Form Instructions:** Complete form as indicated and email to Olivia.bommarito@bp.com

**SPE Four Corners Objectives:**

To collect, disseminate, and exchange technical knowledge concerning the exploration, development, and production of oil and gas resources, and related technologies for the public benefit; and to provide opportunities for professionals to enhance their technical and professional competence. The secondary purpose of the Section shall include the promotion of engineering education through scholarships and community outreach.
Update Your SPE Membership Profile Today!

If you have moved, changed jobs, shifted job focus, or found new technical interests, we want to know!

Simply log in to your SPE membership account and update your membership profile. It takes less than 5 minutes, and will help us serve you better.

P.S. Don't forget to update your communication preferences, too. We are now offering you more options in your Communication Preferences to make our emails better targeted to your interests.
PayPal System

The early registration discount for meetings will require registration and payment before the RSVP deadline. We will be using payment services via PayPal. This requires the ability to access your SPE account online as well as creating a PayPal account (or you can pay as a PayPal Guest). Please use the following instructions on how to RSVP to our monthly events:

Instructions:
1. Go to the Four Corners website at http://connect.spe.org/FourCornersPetroleum/Home/
2. Click the hyperlink for the Luncheon under “Upcoming Events” on the Home Page
3. Login to your SPE account
4. Review luncheon details, select the “Add to Cart” option
5. Proceed to View/Checkout
6. Check Out with PayPal
7. Sign in to PayPal account (need to create if you don’t already have one) OR pay as a PayPal Guest.
8. Review/update PayPal information, select Pay Now
9. Registration complete, receipt will be emailed to your PayPal email address on file