



Four Corners Petroleum
Section

Society of Petroleum Engineers Four Corners Petroleum Section November 2016 Newsletter

www.spe.org

2016 – 2017 Board of Directors

Section Chair, Olivia Bommarito, *BP*
Olivia.Bommarito@bp.com

Program Chair, Philip Ouellette, *ConocoPhillips*
Philip.J.Ouellette@conocophillips.com

Secretary, Sebastian Pivnicka, *ConocoPhillips*
Sebastian.Pivnicka@conocophillips.com

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Sara.Work@bp.com

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Aliph@duganproduction.com

Scholarship Chair, Catherine Finley, *BP*
Catherine.Finley@bp.com

Energy4Me Chair, Gavin Tweedie, *BP*
Gavin.Tweedie@bp.com

Past Chair, Forest Bommarito, *Red Willow*
Fbommarito@rwpc.us

Contact Us At:



spe4corners@spemail.org

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

<http://connect.spe.org/FourCornersPetroleum>

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!



The Four Corners Petroleum section of the Society of Petroleum Engineers is offering the **energy4me** program to anyone requesting good and defensible 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.

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.

Meeting Venue

BP America Production Durango Office, Room 139/140

380 Airport Road, Durango, CO 81303



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

2016-2017

SPE FOUR CORNERS SPEAKER

***Ian Walton, Energy & Geoscience Institute,
University of Utah***



Ian Walton is a senior research scientist at the Energy & Geoscience Institute of the University of Utah and an adjunct professor in the department of chemical engineering. He holds a PhD in applied mathematics from the University of Manchester. Walton has more than 25 years of petroleum industry experience, most recently as a scientific advisor for Schlumberger, and more than 15 years of university teaching experience.

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.

**Distinguished
Lecturer Program**

SPE Four Corners Sponsorship

There is now an opportunity for non-profit groups seeking sponsorship to apply for funding through 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

Date of Application:	
Organization Name and Address:	
Contact Person and contact information (phone & email):	
Amount Requested:	
Intended Use:	
How does funding need align with SPE Four Corners objectives? (see below)	
Date Deadline for Funding:	
Have you received previous SPE funding? (please provide detail)	
SPE Reference Contacts:	

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!

Society of Petroleum Engineers



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



UPCOMING EVENTS

[Add an Event](#)

SPE Four Corners September Luncheon - Distinguished Lecture Series 2016

Sep 19, 11:30 AM - 1:00 PM (MT)

Farmington, NM, United States

SPE Four Corners September Luncheon - Distinguished Lecture Series 2016 (No lunch option)

Sep 19, 11:30 AM - 1:00 PM (MT)

Farmington, NM, United States

SPE Four Corners September Luncheon - Distinguished Lecture Series 2016 (Student Registration)

Sep 19, 11:30 AM - 1:00 PM (MT)

Farmington, NM, United States

June 2016 Newsletter

Please find the June newsletter [here](#).

April 2016 Newsletter

Please find the April 2016 newsletter [here](#).

Four Corners Geological Society AAPG December 2015 Distinguished lecture presentation

FCGS AAPG December Luncheon Presentation - Peter R Rose, Ph.D, Rose & Associates LLP

SPE Four Corners Scholarship Forms

[Scholarship 2016 - College Application \(Online\)](#)

Please find a downloadable version of the 2016 College application [here](#)

[Scholarship 2016 - High School Application \(Online\)](#)

Please find a downloadable version of the 2016 High School application [here](#)

[Scholarship 2016 - Requirements](#)