



Society of Petroleum Engineers Four Corners Petroleum Section September 2013 Newsletter

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2013 – 2014 Board of Directors

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Gavin.tweedie@exterran.com

Program Chair, Forest Bommarito, *Red Willow*
fbommarito@rwpc.us

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Kristin.a.veyand@cop.com

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Olivia.bommarito@bp.com

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ethan.t.plunkett@cop.com

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aliph@duganproduction.com

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jthomas@rlbayless.com

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johnroe@duganproduction.com

Student Section Liaison, Tyson Foutz, *Foutz Consulting LLC*
tyson@foutzconsulting.com

Contact Us At:



spe4corners@spemail.org

Four Corners SPE
P.O. Box 5097
Farmington, NM 87499

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

Welcome from the Section Chair:

Gavin Tweedie

Dear SPE Members,

I am very happy to be serving as the 2013-2014 SPE Chairman again this year. Last year we had a good year with presentations from three SPE Distinguished Lecturers, a visit from SPE International President Egbert Imomoh, and the most profitable SPE Oilman's Shootout Fundraiser to date. The SPE skeet shoot generated over \$6,600 in profit for our scholarship fund.

Over the past 12 months, I believe we have laid the ground work to take the Four Corners Section of SPE to the next level. We implemented a number of changes and improvements including:

- Stepped up the look and content of the newsletter to better inform our membership
- Reduced cost on our meeting location and standardized the location and timing of our meetings
- Implemented PayPal and online RSVP for meetings
- Improved and updated our website
- Started using QuickBooks for internal cost tracking
- Revised the application forms for our scholarship program and implemented a plan to try to attract more applicants

These changes could not have been possible without the huge effort from some key people. Forest and Olivia Bommarito moved here from Alaska and brought some great ideas and ways to improve our chapter. They continue to help and support our group with a lot of drive and enthusiasm for making SPE Four Corners better. Kristin Weyand joined the board last year and has taken the newsletter from a 2-3 page document with basic information to a 10+ page document full of great information. She is also always contributing behind the

scenes with a lot of passion and some great ideas. I really need to thank these three people for bringing SPE up to what it is and for continuing to help improve our chapter in the coming year.

With Kristin, Olivia and Forest returning this year we have plans for another step-change in improvement and would like to continue to expand and grow. Specifically we have the following goals in mind for this coming year:

- Seek some key speakers above and beyond the DL program, in particular, some producers that are having success in the Mancos Shale development and contractors that are applicable to shale plays in general
- Increase membership
- Provide several Young Professionals events, which will be open to both younger and older members
- Increase candidate submissions for the scholarship program
- Increase our participation and presence at the Four Corners Oil and Gas Conference in May
- And last, but not least, revise our Bylaws—which were last revised in 1986 on a typewriter!

In all, we have grand plans for the coming year for SPE Four Corners. I look forward to increasing participation at the meetings and would encourage any volunteers out there that would like to help out at the Oil and Gas conference.

I hope that everyone sees the value in SPE, and I welcome any suggestions that you may have on ways to improve our SPE section.

Sincerely,

Gavin Tweedie, PE

Want to see a meeting “North of the Border”?

Let us know!

Look for an upcoming survey about holding one or more of our Lunch & Lecture meetings in the Durango area this year!

Congratulations!

SPE Four Corners Scholarship Recipients

This year, the SPE Four Corners Section awarded a total of \$16,000 in scholarships to students pursuing a college degree that will lead to a career in the energy industry. Each student received a \$2,000 scholarship for the 2013-14 school year:

- **Essiel Carrasco**, from Farmington, NM, is a freshman studying Engineering at **San Juan College**.
- **Katherine Hegarty**, from Aztec, NM, is a freshman studying Chemical Engineering at **Southern Methodist University**.
- **Kyle Henderson**, from Waterflow, NM, is a sophomore studying Chemical Engineering (minor in Petroleum Engineering) at **New Mexico Tech**.
- **Austin Riley**, from Ignacio, CO, is a sophomore studying Petroleum Engineering at **Montana Tech**.
- **Zack Riley**, from Igacio, CO, is a senior studying Petroleum Land & Resource Management at **Western State Colorado University**.
- **Jacob Schirer**, from Farmington, NM, is a sophomore studying Mechanical Engineering & Physics at **New Mexico Tech**.
- **Matthew Tucker**, from Durango, CO, is a freshman studying Engineering & Geology at **Fort Lewis College**.
- **Myissa Weiss**, from Farmington, NM, is a freshman studying Mechanical Engineering at **New Mexico Tech**.



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 John Roe with Dugan Production at 505-325-1821 or Tyson Foutz with Foutz Consulting at 505-320-6275.

SPE Oilman Shootout

Saturday, 29 June 2013

In the early morning hours of the last Saturday in June, 150 gun-toting participants came out for the 5th annual SPE Oilman's Shootout. The skeet shoot, held at the San Juan Wildlife Federation range between Farmington and Bloomfield, provides funding for the SPE Four Corners' annual scholarship program. This year, the skeet shoot brought in over \$6800, an increase of 40% from last year's proceeds!



This was the largest event yet, with a total of 30 teams registered to shoot. Gavin Tweedie organized the event again this year.



Gavin Tweedie (far left), Forest Bommarito (far right) and three of the SPE 4 Corners 2013 Scholarship recipients.

Breakfast and lunch was sponsored by **Nalco**. Our wonderful range sponsors included: **Merrion Oil & Gas**, **XTO Energy**, **Red Willow Production Co.**, **TriStar Construction, Inc.**, **Vinson Process Controls**, and **Four Stars Pipe & Supply**.



Kristin Weyand and Gavin Tweedie with the raffle prize, a Benelli shotgun donated by Exterrrean.

Thanks to all our sponsors and participants for such a successful fundraiser event!

First SPE 4 Corners Meeting

Lunch & Lecture – September 19

Please join us for the first meeting of this year. Ozzie Gonzalez with Vibration Technology will be speaking.

Who: **Mr. Ozzie Gonzalez (Vibration Technology)** will be presenting on extraction of stuck oilfield tubulars using surface resonant vibration techniques.

When: **Thursday, 19 September 2013**
11:30 am – 1:00 pm

Where: **San Juan College, Room 7103 (IT Center)**
4601 College Blvd. Farmington, NM
Please find Room 7103 on the SJC [Campus Locator](#) or the maps on the following page.

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

Please RSVP through the event at the **Four Corners Section website** (instructions on page 9) **no later than NOON on September 16**. Any RSVP made apart from the SPE website will be charged \$25 at the door.

Please find the abstract and biography for the speaker on Page 5.

2013 – 14 Meeting Schedule

Save the Date!

Thursday, September 19, 2013

Ozzie Gonzalez, Vibration Technology, Inc.:

Extraction of stuck oilfield tubulars using surface resonant vibration techniques

San Juan College, Room 7103

Thursday, October 17, 2013

Dr. Ian Palmer, Higgs-Palmer Technologies:

Stimulating shale oil/gas wells: defining the fracture network, with new implications for proppant

San Juan College, Suns Room

Thursday, November 21, 2013

Ken McQueen, WPX Energy

Topic TBD

San Juan College, Room 1614

Thursday, December 20, 2013

TBD

San Juan College, Room 1614

Monday, January 14, 2014

Jennifer Miskimins*, Barree & Associates:

Unconventional Frac Jobs for Unconventional Reservoirs - What Should You Be Concerned About?

Thursday, February 20, 2014

TBD

Thursday, March 6, 2014

Shawn Maxwell*, Schlumberger:

What Have We Learned About Fracturing Shales After 12 Years of Micro Seismic Mapping?

Thursday, April 17, 2014

TBD

Tuesday, May 20, 2014

Brad Berg*, Anadarko Petroleum Corporation

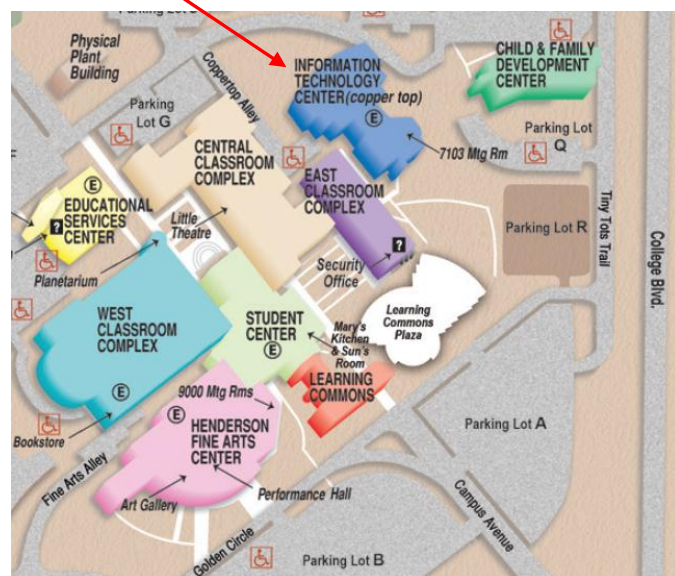
Characterizing Shale Plays – The Importance of Recognizing What You Don't Know

*denotes SPE International 2013-14 Distinguished Lecturer Series

Meeting Venue

San Juan College

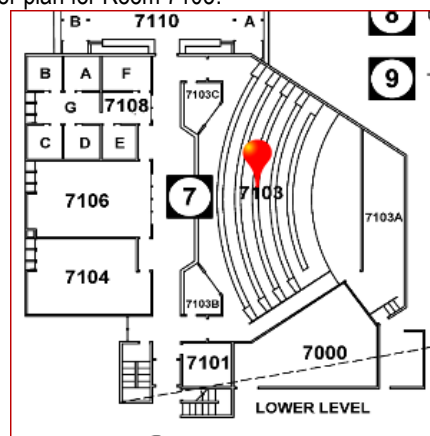
The SJC Information Technology Center (copper top building) is located here:



Exterior of the building:



Building floor plan for Room 7103:

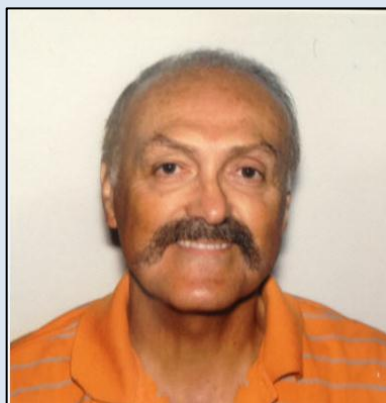


2013-2014

SPE FOUR CORNERS SPEAKER

Orlando "Ozzie" Gonzalez

Thursday, 19 September 2013



Ozzie Gonzalez is a Mechanical Engineering graduate from the University of Buffalo in NY State. His background covers nuclear reactor mechanical equipment design, computer based electronic measurements sales and support, and oil and gas research. Ozzie has taught and published in the area of Fourier Transform applications for the aerospace defense industry for Hewlett-Packard Co, work overs and well completions for XOM and vibration research for the oil and gas industry. His current position is that of Sr. Technology Development Engineer for Vibration Technology, Inc., a division of Layne Christensen Company.

Extraction of Stuck Oilfield Tubulars Using Surface Resonant Vibration Techniques

Abstract

Stuck pipe has been identified as the largest single contributor to non-productive drilling time. The use of resonant vibration as a means of freeing stuck tubulars from a well bore has been demonstrated to be effective in both Drilling and Workover environments and has the potential to provide almost immediate results in many day-to-day applications.

The challenge for the future is to further explore both proven and potential applications of this technology in order to evaluate the benefits and reduce the unknown associated with the technology. The long term industry benefit will be a new approach to stuck tubular recovery available in the form of superior technology that addresses real needs while substantially reducing costs. The technology offers the benefits of being quick and easy to apply, operations are conducted from surface with no downhole intervention, and results may be achieved very quickly. Good success in open hole work could mean that this technology could become the procedure of choice in virtually all drilling operations. In workover operations, the technology may accomplish the same results in hours that typically require days by current standards.

This presentation includes treatment of sonic energy principals, spectral analysis measurements of stuck tubulars, data interpretation, equipment description, and case histories.

This presentation focuses on the extraction of stuck oil field tubulars using Forced Oscillatory Motion tuned to Resonance of the stuck tubular system. This results in sufficient energy transferred down-hole necessary for the extraction of stuck tubulars with only surface preparations, i.e. no tripping of pipe to install down-hole equipment. The carrier fundamental driving frequency contains multiple harmonics which could also be applied to other application areas such as cement enhancement to prevent annular gas flow, or compaction of gravel during gravel packing operations. Stuck drill pipe to over 18,000' have been recovered within hours even after 24 to 48 hours of jarring operations.

See SPE Paper 109530 for more information

Many thanks to our Skeet Shoot sponsors!

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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

Starting in January 2013, 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. Review luncheon details, select the "Register Now" hyperlink
4. Login to your SPE account
5. Answer questions for "Select Registrants," select Next
6. Confirm order, select Confirm Registration
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

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Society of Petroleum Engineers
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ATCE 2012 » 8-10 OCTOBER 2012
SPE ANNUAL TECHNICAL CONFERENCE AND EXHIBITION SAN ANTONIO, TEXAS, USA

SPE Luncheon Meeting : Mr. Eric Penner Presenting on "Linear Rod Pumps"
Oct 17, 11:30 AM - 1:00 PM (Mountain Standard Time)
Farmington, NM, United States
[View Calendar](#)

UPCOMING EVENTS

ANNOUNCEMENTS
Please login to see this information

Know Share Engage

SPE INTERNATIONAL

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New 2013 SPE Dues Structure.