



# Newsletter

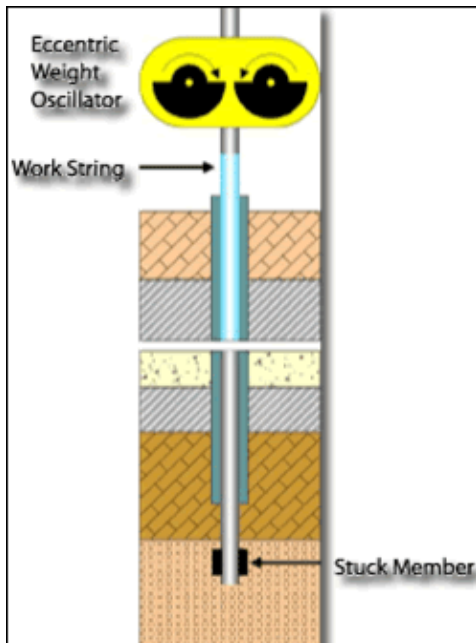
## Solutions for Sticky Situations

We are unable to give you answers about what to say when your wife asks you: "Honey, can Mother live with us for four months?" You'll have to find your own solution to that sticky situation. However, if you have ever experienced a sticky situation regarding stuck drill pipe, we recommend attending the November SPE Central Arkansas Study Group meeting sponsored by Vibration Technologies and CUDD Energy Services. It will be held at **CUDD Energy Services**, 7 Energy Way, Vilonia, Arkansas on Thursday, November 19<sup>th</sup> at 11:30 a.m.



"The Extraction of Stuck Drillpipe Using Vibratory Resonant Techniques" will be the topic of discussion. Ozzie Gonzalez will be our presenter. He is the Senior Technology Development Engineer for Vibration Technology, Inc., a division of Layne Christensen Company. Vibration Technology, Inc. has been serving the petroleum industry since 1996. Headquartered in

Shreveport, LA, they have researched and developed proprietary equipment and procedures specifically in acoustic theory, which is used to transmit standing wave resonant energy over long intervals of pipe in oil and gas wells.



**Vibration Technologies'  
Eccentric Weight Oscillator**

The discussion is based on the technical paper *SPE 109530-MS, The Extraction of Mud-Stuck Tubing Using Vibratory Resonant Techniques*, which was presented at the SPE Annual Technical Conference and Exhibition, that was held November 11-14, 2007, in Anaheim, California.

### How It Works:

Only three basic ingredients are needed for the resonant vibration system to achieve successful tubular extracting:

- ❖ a mechanical oscillator with suspension system for isolating the rig structure
- ❖ a work string for transmitting the vibrating energy
- ❖ a stuck member or "fish" to be recovered

An animated explanation of the eccentric weight oscillator can be found on the company's website: [www.vibrationtechnology.com/oilfield\\_vibration\\_system.html](http://www.vibrationtechnology.com/oilfield_vibration_system.html).

Current use of the technology has been focused in the field of stuck pipe recovery in drilling, completion and workover applications. In addition, new applications are under development that will enhance primary cementing through improved hole cleaning as well as the maintenance of hydrostatic head during the curing phase.

The November 19<sup>th</sup> SPE Central Arkansas Study Group presentation will cover pipe vibration applications and benefits as well as the overall theory of acoustics as applied to pipe strings, along with case histories and cost benefits. Stuck pipe has been identified as the largest single contributor to non-productive drilling time. If you're drilling holes in the Fayetteville Shale, it would be advantageous for you to join us in Vilonia.

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## **About Our Presenter: Ozzie Gonzalez**

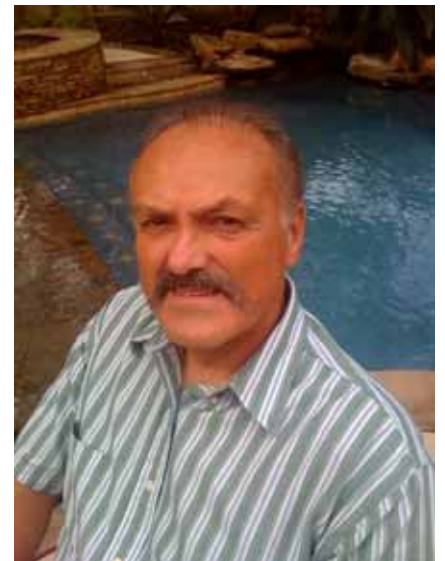
Ozzie Gonzalez is a Mechanical Engineering graduate from the University of Buffalo in New York State. He joined SPE in the late 70's and early 80's for about 10 years. Mr. Gonzalez then left the oil & gas industry for a stint with Hewlett-Packard Company as a Systems Engineer and later as a Technical Support Manager. He rejoined SPE about 3 years ago, so his total tenure is about 13 years.

His background covers nuclear 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 and vibration research for the oil and gas industry.

He has always enjoyed sharing his knowledge and giving instruction to others throughout his career (with prestigious companies such as Exxon, Hewlett-Packard, Evident Software, etc.); therefore it is no surprise that when he decides to retire he might try his hand at teaching math and science at the high school level.

Another adventurous goal of Mr. Gonzalez is to honor a former mentor of his and publish a book or manual on the use of acoustics in the oil patch.

"Many of the concepts of what we do were pioneered by Dr. Al Bodine who has since passed away. I was basically a student of his and still remember a lot of what he taught me. I'd like to publish some of the concepts so perhaps someone in the future will enhance on our current work."



**Ozzie Gonzalez; Sr. Technology  
Development Engineer**

When he has an extra moment he enjoys working out on the court, the basketball and tennis court.

"Growing up in Brooklyn, New York dictated basketball as the game of leisure, so I played that my whole life. I picked up tennis after graduating college and have been playing ever since. I now play club competitive tennis in my spare time in Houston, Texas and am a member of the USTA (United States Tennis Association)."

He is a big fan of the New York Yankees, and I know he helped them celebrate after winning their 27<sup>th</sup> World Series Championship.

His current position is that of Senior Technology Development Engineer for Vibration Technology, Inc., a division of Layne Christensen Company. He can be reached at: [OJGonzalez@laynechristensen.com](mailto:OJGonzalez@laynechristensen.com).

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## Meet Your Fellow SPE Members

Networking within your SPE Central Arkansas Study Group is beneficial for a number of reasons:

- You may need a service that one of your fellow members can provide.
- You may need a job that one of your fellow members can recommend you for within their company.
- You may need a fellow golf buddy that requires more mulligans than you.

The intention of this article is to give study group members a little background information about those whom you might meet at the next monthly SPE meeting, and if you hook up with a golf buddy that can't beat your score, good for you! This month we have two members we would like for you to meet:

### DON HAVENS

I first met Don on May 30<sup>th</sup>, 2008 during the University of Arkansas Community College at Morrilton's Gas Exposition. The production chemical company, with whom he had been working with for several years, was sponsoring a booth. Today he works with Select Energy Services located in Damascus on Highway 65 North. They own several companies: Bell Supply, Impact Energy Services, Peak Oilfield Services, Price Pipeline, Penrob Well Services, and Tejas Oilfield Services. He states "I love the job, the people I get to work with, and the folks I get to meet." His contact information is [DHavens@selectenergyservices.com](mailto:DHavens@selectenergyservices.com).



**Don Havens**

Mr. Havens is a native Arkansan that was born and raised right here in Conway. He has attended the University of Central Arkansas and the University of Arkansas at Fayetteville.

He knows the needs of the petroleum industry because he started working in the oil patch as a roustabout for a company that drilled wells in south Arkansas (El Dorado).

After Don had had enough of hard work and little pay he decided to try his hand at heavy construction. He worked in five different states (Missouri, Texas, Oklahoma, Tennessee, and Arkansas) as a welder and also did instrumentation and HVAC work on coal fired and gas fired powerhouses, paper mills, and worked on several nuclear power houses as well. While there he joined the Plumbers and Pipefitters Union.

He eventually started an HVAC business of his own which led to him being recruited to start up an HVAC program in Little Rock at a local vocational center. After five years, Mr. Havens was asked to join the Arkansas Department of Workforce Education at the Arkansas State Capitol.

"I was there for several years and was promoted to Program Manager for Apprenticeship in Arkansas. I had a staff of five and a \$3.5 million a year budget. We oversaw all apprenticeship programs in Arkansas including plumbers, electricians, carpenters, and any other craft that required an apprenticeship."

While working for the Arkansas Department of Workforce Education he was recruited into the gas play and worked for a production chemical company in Kansas, Oklahoma, Texas, and Arkansas, which brings us back to when Don and I first met a year and a half ago.

Don told me the apple of his eye is his wife of more than four decades, Kay. They have three children and four and a half grandchildren (one is due to arrive next summer). A hobby he enjoys includes collecting, building, and repairing clocks.

"[I] think I have over 150 at present not counting pocket watches that just keep on showing up around my place."

Like many Arkansans, he enjoys Arkansas' natural beauty and tries to hunt, fish and golf as much as possible.

One last note about Don that is admirable: he volunteers his time and effort with the Fayetteville Shale Scholarship Fund. The money raised through this fund is primarily obtained through a golf tournament each October. Don is one of several people who put in many hours of planning which must take place before the first golf ball is driven. Thank you, Don.

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## **LISA POUNDERS**

A transplant to Arkansas from West Covina, California by way of Nashville, Tennessee is Lisa Buchanan Pounders. She has recently become a Student SPE member. Lisa attends the University of Arkansas Community College in Morrilton. She is intent on earning her Associate of Applied Science Degree in Petroleum Technology. Before pursuing her AAS degree, Ms. Pounders spent the majority of her career in the field of health care as an administrator and consultant.

She is very active in extracurricular activities on campus. Lisa holds the officer position of Second Vice-President in the Petroleum Technology Student Organization. Parts of her duties are to insure that the Petroleum Technology program is represented in the other student organizations at the college, such as the Student Government Association. Currently she has a 3.5 GPA and closing in on 4.0! Way to go, Lisa!

Lisa is also working hard at generating interest among fellow students to create their own SPE Student Chapter on campus. Having a student chapter will:

- Allow UACCM student to have industry experts come directly to the campus to share leading edge technology.
- Provide them with the opportunity to make technical presentations with other colleges and universities at SPE events.
- Provide the UACCM petroleum program international recognition as the premier associate degree petroleum technology program in the United States.
- Provide them with a means of developing a network of industry contact that they can use during their entire careers in the petroleum industry.



**Lisa Pounders**

She enjoys and would like to spend more time hiking and exploring caves that are so abundant here in Arkansas. Working outdoors is a natural part of this industry and Lisa says she can't get wait to join the petroleum industry because she is in love with nature and specifically the foothills of the Ozark.

"I have not decided if that will be in college achieving a degree in Petroleum Engineering or Geology or here in Arkansas working in the industry. I am open to change and opportunities that come only once in a life time. I am leaving myself open to discuss different options. I do know that a new world has been opened to me and I am ready to continue to follow this new path and do the best that I am able to ensure that I am trained and prepared to do the work that is asked of me. I anticipate the future!"

Lisa keeps busy even when she is not studying for her petroleum exams because she is the mother of four children. She has a daughter graduating this year at UCA and a son who just began college at UCA. Also, she has a son that is a senior in high school and a son that is a freshman in high school.

With two children attending college, she is grateful for the Fayetteville Shale Scholarships she received for the last two semesters. Also, she is a recipient of federal stimulus money that has been designated for education and training. Congratulations and good luck, Lisa.

If you have any questions or comments for Lisa, she can be reached at [Lisa.Pounders@uaccm.edu](mailto:Lisa.Pounders@uaccm.edu).

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## About Our Luncheon Sponsor



Vibration Technology, Inc.

If you are able to attend our November SPE meeting at the CUDD ENERGY SERVICES facilities in Vilonia, you will enjoy free lunch catered from THE FISH HOUSE in Conway. **Vibration Technology, Inc.** is co-sponsoring the "lunch and learn" along with SPE funds. Let them know you are thankful for their support by either an appreciative word to Mr. Gonzalez when you meet him on November 19<sup>th</sup> or by sending them a *thank you* e-mail at [www.vibrationtechnology.com/contact.html](http://www.vibrationtechnology.com/contact.html).

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## About Our Venue Sponsor

**CUDD Energy Services**, 7 Energy Way, in Vilonia is sponsoring the November site for our SPE meeting. Their local office is in Vilonia, off Highway 64 approximately 1.5 miles east of the Highway 107 junction, on the south side of the road.

The Cudd family of companies offers a broad range of specialized oilfield services and equipment to businesses engaged in the exploration and production of oil and natural gas worldwide. Cudd's experienced professional will design a solution, provide the engineering, and mobilize the resources required to safely execute the planned objective in both onshore and offshore environments. Services include stimulation, coiled tubing



and nitrogen, hydraulic workover, industrial nitrogen, well control, slick line, braided line, and electric line. More information about the services they provide can be found on their website at: [www.cudd.com](http://www.cudd.com).

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## Announcements

- December's meeting will be held on Thursday, **December 10<sup>th</sup>** from **11:30 a.m. until 1:00 p.m.** at the **Faulkner County Natural Resource Center**, 110 S. Amity Road in Conway. The presenter will be **Dr. Greg Thoma**, Professor in the Chemical Engineering Department at the University of Arkansas in Fayetteville. The topic will be: *Fayetteville Shale Play: Reducing Environmental Impacts*.
  - For ideas and/or suggestions on topics you would like to have presented at our meeting, send an e-mail to Sean Burke, program chairperson. He can be reached at: [Sean\\_Burke@SWN.com](mailto:Sean_Burke@SWN.com).
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## HAPPY THANKSGIVING

Your SPE Central Arkansas Study Group Officers wish you a safe and happy holiday.



### SPE Central Arkansas Study Group Newsletter Contact Information

Persons with questions, comments, or requesting items for consideration of publication in the Newsletter and/or wanting to receive electronic copies of the newsletter should contact the Newsletter Editor: Donna Gentry at [dgentry@awac-llc.com](mailto:dgentry@awac-llc.com).