

BASIN OIL

Midland Reporter-Telegram | mrt.com | Sunday, March 9, 2014 | Page 2G

Midland College

PETROLEUM PROFESSIONAL DEVELOPMENT CENTER

To register, go to the Midland College PPDC's Website: www.midland.edu/ppdc

Courses

OILFIELD TERMINOLOGY

Instructor: Tommy Lent
March 18-19, Tue-Wed, 8:30 a.m. - 4:30 p.m.
\$430; Out of State, \$455
Midland College PPDC Building, 105 W. Illinois

CRITICAL TITLES ISSUES FOR PETROLEUM LAND MANAGEMENT

Instructor: Dr. Patrick Fitzgerald
March 18, Tue, 8:30 a.m. - 4:30 p.m.
\$300; Out of State, \$325
Midland College PPDC Building, 105 W. Illinois

UNDERSTANDING AND NEGOTIATING THE OIL & GAS LEASE

Instructor: Dr. Patrick Fitzgerald
March 19-20, Wed-Thu, 8:30 a.m. - 4:30 p.m.
\$545; Out of State, \$570
Midland College PPDC Building, 105 W. Illinois

PRINCIPLES OF HYDRAULIC FRACTURING

Instructor: Dr. Jennifer Miskimins
March 19-21, Wed-Fri, 8:30 a.m. - 4:30 p.m.
\$695; Out of State, \$720
Midland College PPDC Building, 105 W. Illinois

COMPLETIONS AND STIMULATION FOR GEOLOGISTS

Instructor: Dr. Jennifer Miskimins
March 24, Mon, 8:30 a.m. - 4:30 p.m.
\$375; Out of State, \$400
Midland College PPDC Building, 105 W. Illinois

PETROSKILLS: MAKING YOUR WORDS COUNT

Instructor: Dr. David Pelton
March 24, 8 a.m. - Noon
\$400; Out of State, \$425 (includes manual)
Midland College PPDC Building, 105 W. Illinois

PETROSKILLS: MEETINGS - WASTE NOT, WANT NOT

Instructor: Dr. David Pelton
March 24, 1-5 p.m.
\$400; Out of State, \$425 (includes manual)
Midland College PPDC Building, 105 W. Illinois

PETROSKILLS: SPEECHMEET (20 WAYS TO IMPROVE YOUR PRESENTATION-MAKING AND MEETING MANAGEMENT SKILLS)

Instructor: Dr. David Pelton
March 25, 8 a.m. - 5 p.m.
\$750; Out of State, \$775 (includes \$25 manual)
Midland College PPDC Building, 105 W. Illinois

TCU ENERGY INSTITUTE/PPDC - ROYALTY OWNER PROGRAM

Instructor: George Wilson, J.D., C.M.M.
March 24-26, Mon-Wed, 8:30 a.m. - 4:30 p.m.
Register for all three classes at once - receive a discounted rate: \$1,425 (\$475 each)
Course #1: The Foundation of Energy Law in Texas, March 24, \$525
Course #2: Leasing the Mineral Estate, March 25, \$525
Course #3: Critical Issues After Production Begins, March 26, \$525
Midland College Advanced Technology Center, 3200 W. Cuthbert Avenue

WELL CONTROL - DRILLING/WORKOVER (WELLCAP)

Instructor: Larry Chapman
March 24-27, Mon-Wed, 8 a.m. - 5 p.m.; Thu, 8 a.m. - Noon
\$900; Out of State \$925
Midland College PPDC Building, 105 W. Illinois

PHDWIN

Instructor: Celia Payne
March 25-26, Tue-Wed, 8 a.m. - 4 p.m.
\$625; Out of State, \$650
Midland College PPDC Building, 105 W. Illinois

PETROLEUM ENGINEERING FOR NON-ENGINEERS

Instructor: Dr. Jennifer Miskimins
March 25-26, Tue-Wed, 8 a.m. - 5 p.m.
\$695; Out of State, \$720
Midland College PPDC Building, 105 W. Illinois

MANAGING TIME AND MULTIPLE PRIORITIES

Instructor: Peter Turla
March 31, Mon, 1-5 p.m.
\$650; Out of State, \$675
Midland College PPDC Building, 105 W. Illinois

PETRA ADVANCED CROSS SECTIONS AND CORRELATION TECHNIQUES - IHS ENERGY

Instructor: To be announced
April 1-2, Tue-Wed, 8:30 a.m. - 4:30 p.m.
\$1,600; Need to register directly with IHS Energy
Midland College PPDC Building, 105 W. Illinois

LAND AND LEASING OIL AND GAS

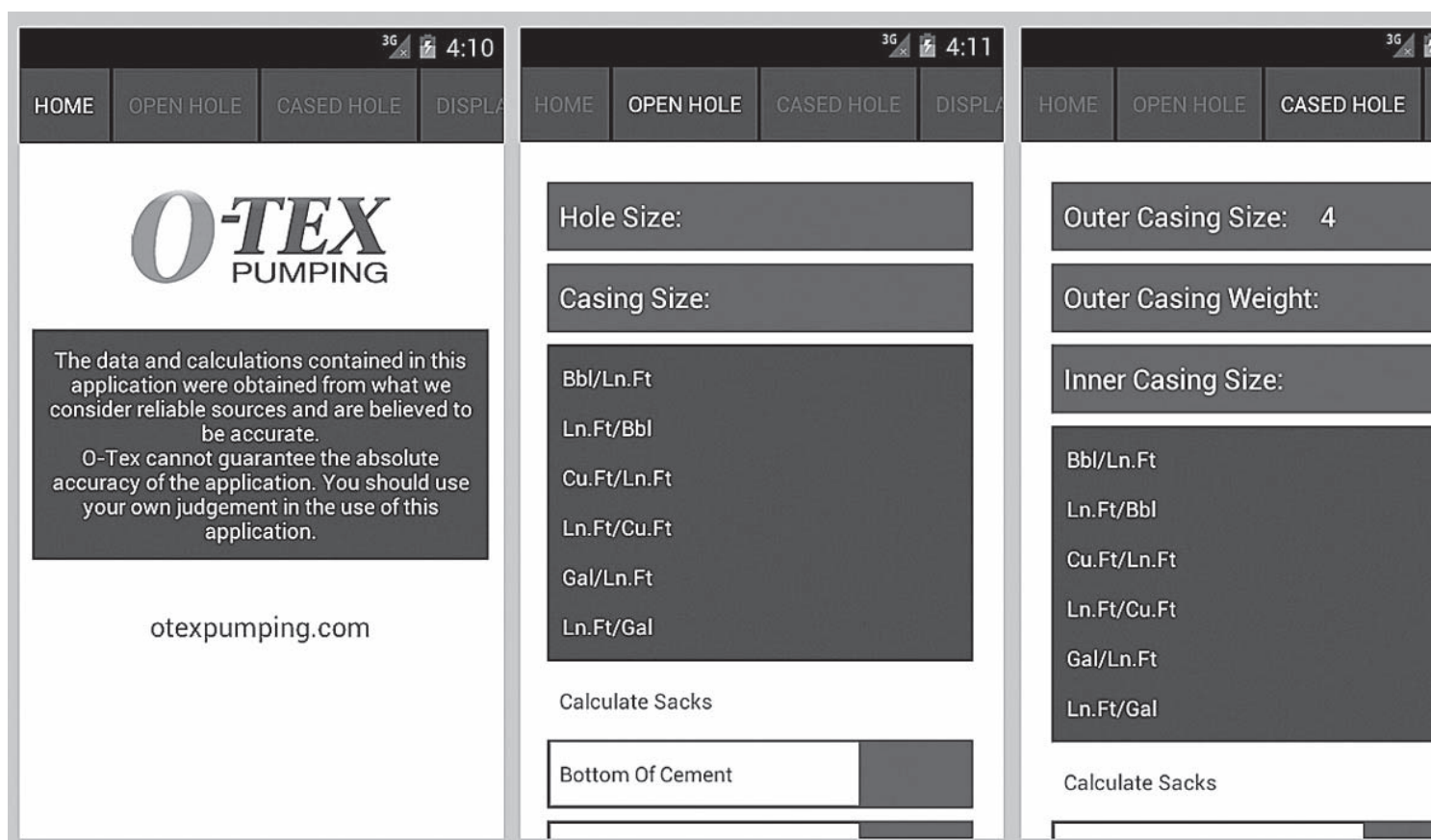
Instructor: G. Ernest Gilkerson
April 3, Thu, 8 a.m. - 4:30 p.m. (1-1/2 hours for lunch)
\$350; Out of State, \$375
Midland College PPDC Building, 105 W. Illinois

WATERFLOODING: PERFORMANCE, PREDICTIONS, AND SURVEILLANCE

Instructor: Dr. William M. Cobb
April 7-11, Mon-Fri, 8 a.m. - 5 p.m.
\$3,975; Out of State, \$4,000
Midland College PPDC Building, 105 W. Illinois

INTRODUCTION OF LOG INTERPRETATION AND QUALITY

Instructor: Gary Batcheller
April 7-9, Mon-Tue, 8 a.m. - 4 p.m.; Wed, 8 a.m. - 3 p.m.
\$1,095; Out of State, \$1,120
Midland College PPDC Building, 105 W. Illinois



there's an APP FOR THAT

New app helps guide cementing jobs

■ O-Tex Pumping already working on updated version

By Mella McEwen
mmcewen@mrt.com

There are smartphone apps for playing games, or getting news, checking the weather or ordering food.

Now there are apps to help with oil and gas operations. Midland's O-Tex Pumping has just released its new Cement Tools App for both Apple and Android devices.

Designed as a quick reference tool, the app helps users calculate cement volume, displacement figures or capacity calculations.

"Technology," said Jarred Barbour, information technology specialist at O-Tex said, "is already an integral part of our lives. It's perfectly natural to reach for our phone and Google something or say, 'Let me put your

number in my phone.'"

While there are already some apps for the industry, Barbour predicted that "as the oil industry embraces technology, it will grow. We'll see more and more applications."

Part of it, he said, is the convenience of being able to pull out a smartphone or tablet and be able to do the calculations on-site. Another reason, he said, is the growing focus on making sure well completion and cementing jobs are done correctly, the subject of new Railroad Commission regulations.

To keep the user interface as simple as possible and allow it to be utilized discreetly if necessary, the Cement Tools calculator works with one slurry at a time in one section at a time. It is divided into two sections: "Open Hole" casing inside an open hole annulus and "Cased Hole" casing inside a cased hole annulus or pipe in pipe. Each of these asks for the bottom of the cement, top of the cement, percent excess and slurry yield in order to calculate the total sack volume needed to fill the specified annular section.

The Cement Tools calculator also displays the annular volume conversion factor of the specified annulus for the quick refer-

ence of anyone who may need them. It will display barrels per linear foot, linear feet per barrel, cubic feet per linear feet, linear feet per cubic feet, gallons per linear foot and linear feet per gallon.

By selecting the casing size, the calculator will return the capacity of the hole size or outer casing specified. For example, in the "Open Hole" section, selecting a hole size of 17 1/2 and then selecting Open Hole for the casing, it will return the annular conversion factors needed to calculate the capacity of the hole, as would be needed if setting a whip stock plug.

The displacement section calculates the needed displacement for a given tubular size. Entering a tubular size and tubular weight, the calculator will return the annular volume conversion in barrels. By entering a depth or length of tubular to displace, it will calculate the total number of barrels needed to complete the operation.

Barbour said response to the new app has been so strong the company is already working on its next version.

The O-Tex Pumping Cement Tools App version 1.0 app is now available in the iTunes and the Google Play Stores.

Despite its contributions, people love to hate oil industry

What is it about the oil and gas industry that people love to hate?

It is an industry that gives us a very good standard of living. It provides us with fuel for transportation, electricity and thousands of other products from plastics to heart valves. Oil and natural gas can stimulate economic growth and provide for our national security. Taxes paid by the oil and gas industry fund our schools, hospitals, state and federal governments.

Even though it is one of the most regulated industries in the nation, some citizens seek even more restrictions. Opponents want to prohibit hydraulic fracturing (HF), and reduce the production and use of oil and gas in the U.S. to zero.

The most outspoken critics have been a group of environmental extremists who have used HF as a major source of raising money. The nine leading environmental groups, all of which have been granted non-profit tax-exempt status by the federal government, have more than \$600 million in assets, according to their 2010 federal tax returns.

Their ability to raise money by scaring the pants off the public has enabled them to become a real political power at the local level and throughout the nation, especially in the nation's capital.

Environmental extremists have infiltrated virtually every bureaucratic agency in Washington, and have had a significant role in re-writing and implementing regulations.

ALEX MILLS

Texas Alliance of Energy Producers

The news media has been a culprit, too. Even the most respected journalists can fall prey to the temptation to take a free swing at the oil and gas industry. A recent case in point came about when The Wall Street Journal did a story about ExxonMobil CEO Rex Tillerson protesting the building of a water tower near his ranch north of DFW Airport. The headline stated: "Exxon Chief Joins Lawsuit Raising Ruckus Over Fracking." The story quoted Tillerson's lawyer as saying that Tillerson never mentioned fracking, or potential increase in noise or traffic problems as the reasons he joined his neighbors in the lawsuit. "Mr. Whitten (Tillerson's lawyer) said Mr. Tillerson's primary concern is that his property value would be harmed," the story stated. Why then did "Ruckus over Fracking" get into the headline? The answer probably has something to do with the fact that the editors thought that it would be ironic if the top dog at the biggest oil company in the world sued to stop fracking practically in his backyard? It really doesn't matter that the facts clearly show that Tillerson never said anything about fracking being a reason that he is involved in this lawsuit. In other words, don't let the facts get in the way of a

good headline.

And, what's with these cities that have passed ordinances that limit or prohibit HF? Voters in three cities in Colorado and one in Ohio passed moratoriums on HF. In Texas, Dallas is being sued over leasing land for exploration and then backing out under the pressure of environmental extremists. Denton is collecting signatures on a petition that would ban HF if passed by voters.

There's nothing new about HF. The industry has fractured more than a million wells nationwide since the technology was introduced just after World War II. That's somewhere around 70 years. New technology developments in HF and horizontal drilling in the last 20 years have revolutionized exploration and production.

Not one state or federal regulator knows of even one instance where groundwater has been contaminated during HF. "I'm not aware of any proven case where the fracking process itself has affected water," immediate-past EPA Administrator Lisa Jackson testified before a Senate committee. There are others, both state and federal, who have testified under oath that they know of no contamination.

The debate over development of our natural resources seems to get louder every day.

Alex Mills is president of the Texas Alliance of Energy Producers. The opinions expressed are solely of the author.

MEETINGS

WTGS to discuss Arbuckle geology

Members of the West Texas Geological Society will meet Tuesday, March 11 at Midland Center at 11:30 a.m.

Rick Fritz, senior exploration geologist for SM Energy in Tulsa, and former executive director of the American Asso-

ciation of Petroleum Geologists, will speak on "The Geology of the Arbuckle Group."

Cost is \$15, including lunch. Additional information may be found at www.wtgs.org under 'upcoming events.' Reservations are encouraged and can be made by calling 683-1573 or by e-mail at wtgs@wtgs.org.

Petroleum Museum director to address NGSPB

Kathy Shannon, executive director of the Petroleum Museum, will be the guest speaker at the Tuesday, March 11 meeting of the Natural Gas Society of the Permian Basin. The luncheon will be at the Petroleum Club at 11:30 a.m.

Shannon will speak on Midland's oil and gas history and upcoming renovations to the museum.

Cost is \$25 per person in advance, \$30 at the door. Reservations should be made by 5 p.m. Monday, March 10. They can be made by calling 620-4049 or by email at ydelao@dcppmidstream.com.