

THE OFFICIAL PUBLICATION OF THE CANADIAN ASSOCIATION OF DRILLING ENGINEERS

# Canadian Well Construction Journal



VOLUME 2 | ISSUE 10 | DECEMBER 2010



## 8 CRYSTAL BALLS

THREE INDUSTRY EXPERTS — JEFF RUBIN, BILL GWOZD AND DON HERRING — DUST OFF THEIR CRYSTAL BALLS TO SEE WHAT 2011 HOLDS IN STORE

## 13 NEW IDEAS FOR OLD FIELDS

CADE-CAODC CONFERENCE ISSUES CALL FOR PRESENTATIONS FOR 2011 DRILLING CONFERENCE

# STAY THE COURSE



**Navigator**  
SERIES  
DRILLING IN THE RIGHT DIRECTION

Complex well paths call for a bit that navigates through formations to pinpoint tight targets. Varel's Navigator series delivers.

Varel Rock Bits Canada  
Calgary Sales Office  
#910, 510 – 5th Ave S.W.  
Calgary, AB T2P 3S2  
(403) 266-5801

[www.varelintl.com](http://www.varelintl.com)



# P

## PACESETTER

YOUR PARTNERS IN DRILLING PERFORMANCE



### Directional Drilling

Pacesetter is a technical leader in the directional drilling industry. Our inventory of advanced drilling tools includes the newest generation of MWD tools that was custom designed by Pacesetter team members. Our equipment offers greater functionality and reliability than the older technology being used by our competitors.

- Directional Drilling
- Performance Drilling
- Remote Monitoring
- Drilling Optimization

SALES: Toll Free 877-612-9098 OPERATIONS: Toll Free 877-612-9099  
[www.pacesetterdirectional.ca](http://www.pacesetterdirectional.ca)



Profit from experience.™

## When "well enough" isn't enough for your well.

Maintain top-notch downhole performance in drilling and remediation projects with SET® technology.

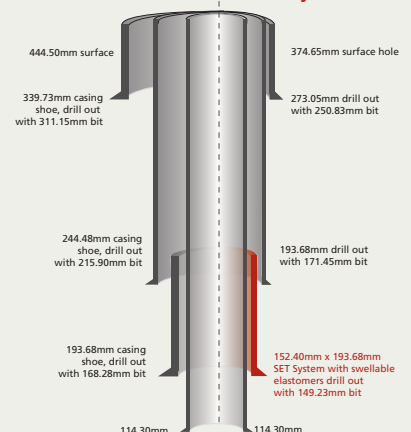
SET® solid expandable tubular systems:

- Maximize ID
- Increase ROP
- Reliably repair damaged casing

Contact Enventure to learn more about using this innovative technology to make the best of your next drilling or production challenge or visit [www.EnventureGT.com/NorthAmerica](http://www.EnventureGT.com/NorthAmerica)



### Conventional vs SET® System





## President's Message

Merry Christmas and Happy New Year to all our members, friends and families! As I write this towards the end of November during an early winter cold spell, it makes me happy that I am in Calgary, indoors, warm and comfortable with a downtown office job, and no longer in the field, contending with fresh water and all that goes with it when it's -30.

This past year has been exceptionally busy for CADE, with numerous changes made in your association's executive. I would like to thank the CADE executive, past and present, who have supported CADE with their time and efforts, as well as our sponsors for their financial support. CADE is dedicated to supporting our industry through education and student bursaries, and only through this sort of support can we continue with the initiatives our founders envisioned for CADE.

I would also like to thank Bobbi Murray, our CADE administrator, who keeps me on the straight and narrow and deserves a big thanks from myself and the association.

Our industry has changed from a year ago. Rig utilization on both servicing and drilling has increased. Again, our industry is challenged with equipment shortages. Well, lots of equipment, but no crews. This also translates into shortages of technical personnel in our producer and service company offices, from Fort Nelson to Estevan and from Fort McMurray to Calgary. So the cycle appears to be on an upswing and what have we learned from past downturns?

That increased activity was likely to happen; we were never sure when, but we certainly didn't plan on it happening this quick. So now we scramble for people and try to get as much done as possible in as short a time frame as possible with people that are often just entering the industry or have been out for a while.

Diligence on the safety front is now, more than ever, important. During our short winter drilling season, our industry is always pushing for one more job, one more hole, just a few more hours and we'll be home. Producers are under pressure to meet production targets, spend flow-through money, or get the job done before we shut down for Christmas. Or, perhaps, how do we motivate and find crews to work through Christmas and New Year's?

Even in the head offices, seasonal celebrations are happening and we have an opportunity to celebrate the season with our friends and co-workers, but we have to be diligent that we keep our minds on what's best for ourselves and our families — getting home safely.

So again, all the best wishes for the season and a happy and prosperous new year, and let's make sure we all get home safely this holiday season.

**John Garden, P.Eng.**  
President, Canadian Association of Drilling Engineers

## Table of Contents

### FEATURE STORIES

<b>Crystal Balls</b>	<b>8</b>
<b>Enform Safety</b>	<b>11</b>
<b>New Ideas for Old Fields</b>	<b>13</b>

### DEPARTMENTS

Student Profile: Monica Robichaud	4
Member Profile: John Garden	5
Association News	6-7
Upcoming Events	7
Stats At A Glance	14

Cover photo: Mike MacKinnon

### Canadian Association of Drilling Engineers (CADE)

800, 540-5 Ave. SW, Calgary, Alberta T2P 0M2

Phone: 403 264-4311 | Fax: 403 263-3796

[www.cade.ca](http://www.cade.ca)

Managing Editor: Christian Gillis

CWCJ Photographer: Mike MacKinnon

Advertising Sales: Nick Drinkwater

Published by: JuneWarren-Nickle's Energy Group

CADE's mandate is to provide high-quality technical meetings to promote awareness of the drilling & well servicing industry. Through CADE, members and the public can learn about the technical challenges and experience gained from our speakers, who are most often CADE members themselves. We invite you to join CADE and further your professional development.

Past issues of CADENews are available online.

Current issues of Canadian Well Construction Journal are available via email, to CADE members only.

CADE is not responsible for any opinion or statement expressed in this publication.



## STUDENT PROFILE



# Monica Robichaud

**Executive Vice-President and Vice-President Operations  
Petroleum & Energy Society  
University of Calgary**

Monica is in her fourth year of chemical engineering with a petroleum engineering specialization at the University of Calgary. Prior to assuming her role as vice-president operations, Monica has been involved with the Petroleum Engineering Society throughout her studies, holding positions of first-year rep (2007–08), vice-president marketing (2008–09) and vice-president events. She also acted as co-director of marketing and communications for the 2010 Alberta Student Energy Conference.

Monica has had the opportunity to work in the energy industry in oil and gas field operations as well as subsurface engineering. She is looking forward to building on her industry experiences and furthering her technical training upon graduation.

**'Proven people, performance and products'**

Newpark Drilling Fluids is not just another mud company. We continue to provide the correct solution for the correct challenge. Our fluid systems and engineering approach will ensure shale is stabilized, pay zones are protected and your budgets are maintained. You have a question, ask. Honesty, integrity and service are goals we strive for. Technology is the backbone of our strategy. Drilling challenging shale gas reservoirs with water based fluids is a recent success we are proud to speak about. Our goal of minimizing your risk is something we take seriously. For further information please contact your Newpark Drilling Fluids representative or visit [www.newpark.ca](http://www.newpark.ca).

**Newpark Drilling Fluids**

Our experience with fluids knows no boundaries. 403-266-7383

## MEMBER PROFILE

Photo: Mike MacKinnon

# John Garden

2010-11 CADE president

## Describe your current job, your background and career path.

I owned and managed Deadeye Engineering Inc. for 15 years, with a peak of 48 field consultants. I am currently consulting as a freelance drilling and completion manager in Albania, Ukraine and Canada. I started my career with Air Drilling Services in Nisku as a yardman. In 1979, I started cementing with BJ Hughes as an equipment operator in Nisku, then service supervisor in Lloydminster and Oxbow and in 1985 managed two stations in Oxbow and Estevan. I did field sales for Canadian Fracmaster in Estevan and following one of the oilpatch's notorious downturns, ran a twin-cementer for them in Medicine Hat. In 1988, I moved to Red Deer and ran packers for Jani International before entering Red Deer College, and a year later the University of Calgary for engineering. One summer I worked on Morrison Petroleum's Thompson Lake drilling program. It was during this four-month drilling program I decided my future lay in the drilling side of the oil and gas industry. I graduated from the University of Calgary in 1993 with a B.Sc. in Chemical Engineering and immediately began working for a large engineering firm. Upon receipt of my P.Eng, I started my own firm and the rest, as they say, is history.

## What is the most rewarding part of your job?

I taught Drilling 372, a project course, at SAIT [Southern Alberta Institute of Technology]. The mentorship role I have assumed since then with my SAIT connections and now working with CADE is very rewarding, as I now get to pay it forward.

## What is the toughest part of your job?

I find dealing with a constantly changing regulatory environment in Canada to be increasingly frustrating, not only with the industry bodies, but with exterior bodies as well. Riding the highs and lows of commodity prices over the last 30-plus years has been tough, but definitely interesting.

## Who has had the greatest influence on your career?

A number of people have influenced my career, my father for sure as he taught me how to work hard and efficiently. A large number of engineers prior to my return to school, including Chris Miko, showed me I had the mental ability and perseverance to become an engineer. Ultimately, guys like Jamie Maland, Fred Langevin, Wayne Gaunt and other field supervisors I worked with through the years, with their loyalty and trust in me, allowed me to rise higher than I ever expected.

## What do you like to do when you are not working?

Love cars, fast cars and slow cars. Fish, golf, curl. Gentleman farmer. I love to travel, planes, trains and automobiles.

# Association/Membership News

## Welcome New Members

NAME	COMPANY	TELEPHONE	EMAIL
Ade Adeyemi	SAIT	403-284-7248	sanyaadeyemi@yahoo.com
Nnamso Akpanudoh	Student	403-383-7400	nnamso@gmail.com
Scott Bain	Ulterra	403-537-1952	sbain@ulterra.com
Robin Breitreuz	Ulterra	403-355-2509	rbreitreuz@ulterra.com
David Browne	Trican Well Service Ltd.	403-215-5890	dbrowne@trican.ca
Cecil Conaghan	Concepts & Strategies	403-667-9812	conaghan.concepts@gmail.com
Ken Conroy	RigSat Communications	403-875-2986	kconroy@rigsat.com
David Gardner	Quest Coring Services	403-705-8554	davidgardner@questcoring.com
Christian Gillis	Deadeye Engineering Inc.	403-265-4973	christiang@deadeye.ca
Jerry Goldsmith	Endeavour Search & Selection Ltd.	44-2083816080	jerry@endeavoursearch.com
Robert Grindrod	Q'Max Solutions Inc.	403-513-6024	bgrindrod@qmaxsolutions.com
Gary Johnston	Q'Max Solutions Inc.	403-513-6044	gjohnston@qmaxsolutions.com
Brent Krahn	KIH Sales & Marketing	403-818-4878	brent.krahn@shawlink.ca
Peter Liang	WorleyParsons	403-258-6077	peter.liang@worleyparsons.com
Timothy MacTavish	Compass Directional Services Ltd.	403-767-5975	tmactavish@compassdirectional.com
Dan May	PetroWest Energy Services Trust	403-384-0412	danm@petro-west.com
Kevin Mueller	Nexen Inc.	403-699-4000	kevin_mueller@nexeninc.com
Oluwabukola Owolabi	Shell Canada Ltd.	403-384-8678	oluwabukola.owolabi@shell.com
Zane Pedersen	Remedy Energy Services Inc.	403-272-0624	zane.pedersen@remedyenergy.com
Jeff Sawchuk	Rockwell Servicing Partnership	403-260-2071	jeff.sawchuk@ensignenergy.com
Tom Shumka	Global Inspections-NDT, Inc.	250-762-5525	tom@global-ndt.ca
Keegan Thomas	Montana Tech	406-565-1532	keegan_thomas@hotmail.com
Peter van Camp	M-I Swaco	403-290-5304	pvcamp@miswaco.slb.com
Lisa Woods	Xi Technologies Inc.	403-517-0111	lisaw@xitechnologies.com
Daniel Yeboah	SAIT	403-766-8295	daniel.yeboah@cenovus.com
Carmen Yu	University of Calgary	403-992-2338	carilinyu@yahoo.com

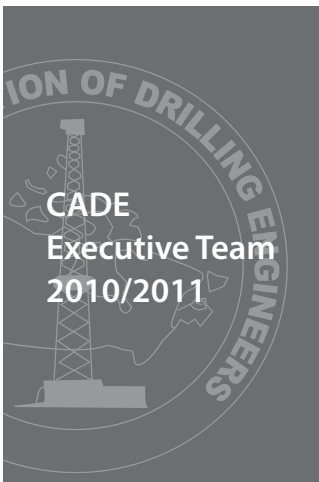
## Members On The Move

NAME	COMPANY	TELEPHONE	EMAIL
Mike (Bush) Dobrensky	Accurate Drilling Systems Limited	403-202-0128	mike.dobrensky@accuratemwd.com
Chris Murray	Horizon Drilling Inc.	403-503-3390	cmurray@horizondrilling.ca

## CADE Membership/Change of Address

Log on to [cade.ca](http://cade.ca) to become a member or update your address using our online form.

TITLE	NAME	TELEPHONE
President	John Garden	403-265-4973
Past President	Patrick Murphy	403-266-7383
Vice-President	Eric Schmelzl	403-290-7699
Secretary	Tammy Todd	403 613-8844
Treasurer	Cecil Conaghan	403-667-9812
Membership Chairman	John Burnell	403-265-4973
Education Chairman	Mike Buker	403-213-3615
Social Chairman	Dan Schlosser	403-531-5284
CWCJ Editor	Christian Gillis	403-265-4973
Technical Chairman	Jeff Arvidson	403-232-7100
IT Chairman	Graham Evans	403-808-9002
Drilling Conference Liaison	Kim Barton	403-693-7576
Executive Member	David White	403-699-5160
CAODC Liaison	John Pahl	403-292-7966



# Association/Membership News

## Editor's Note

Welcome to the December issue of the *Canadian Well Construction Journal*. We have had some changes at the Canadian Association of Drilling Engineers (CADE) in the last couple of months: Todd Brown has stepped down as managing editor of the journal and has resigned from his position on the executive committee.

The executive would like to thank Todd for the enthusiasm and support he has brought to the association and for the important role he has played as the editor. Without his hard work and dedication, the journal would not be the success that it is today.

I would also like to thank Todd for his continuing support during the transition process of my role as the new journal editor; without Todd's support, the December issue would not be coming to you this month. We wish Todd great success in the future.

For our cover feature this issue, Jacqueline Louie talked to some key industry experts to get their outlooks for 2011. We hope you enjoy the article.

If you have any topics you'd like to see covered in our monthly technical luncheons, or if you have any industry issues you'd like to see covered in these pages, please email me and we will do our best to get the story.

Finally, the planning is continuing for the 2011 CADE-CAODC Drilling Conference, so stay tuned for news and information on the upcoming event over the next six months. We appreciate your continued support and look forward to seeing you at the December luncheon.

*Christian Gillis, Managing Editor, Canadian Well Construction Journal*

*christiang@deadeye.ca | phone: (403) 265-4973*

## CADE Membership Renewals 2010-2011

CADE Membership year is September to September. CADE members should have received an email and link to the renewal process and site. Please remember the benefits of being a CADE member include APPEGA's professional development hour, staying abreast of technological and industry advances, drilling conferences and great opportunities to network. All renewals/applications received on or before November 1, 2010 will be included in the CADE 2010-11 Annual Directory (unless otherwise requested). Thank you for your support!

## CADE Technical Luncheon

**Date**  
Wednesday, December 8, 2010

**Place**  
The Westin, Calgary

**Time**  
11:30 a.m. — Reception  
12:00 noon — Luncheon  
12:30 p.m. — Presentation

**Speaker:** Javed Shah, P. Eng., Director of Operations, Well Control Group

**Topic:** Well Control Incidents: Surface blowout and underground blowout case studies

Well control is an essential part of any drilling and completion/workover operation. Current training provides by the book approaches to well control situations. Present well control training available to the oil field personnel is Second Line certification and International Well Control Forum (IWCF) well control training for international work.

Improved training in the form of IWCF and preventative well control would greatly reduce the well control incidents in western Canada. Timely and correct decisions on the rig floor would prevent an ordinary kick incident from escalating into a blowout.

## CADE Technical Luncheon Ticket Price Increase

Effective September 1, 2010, the following ticket price increases will take effect (prices include GST):

Visit [cade.ca](http://cade.ca) for all ticket purchases

Members: \$45  
Non-members: \$55

Full tables of 10: \$450  
Student: \$15

Walk-up: \$55  
GST Registration #R123175036

## Upcoming Events

**CADE Technical Luncheon**  
Wednesday, December 8, 2010  
The Westin, Calgary

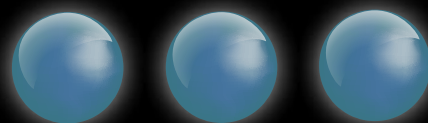
**CADE Technical Luncheon**  
Wednesday, January 12, 2011  
The Westin, Calgary

**CADE Technical Luncheon**  
Wednesday, February 9, 2011  
The Westin, Calgary

## FEATURE STORY



# CRYSTAL BALLS



Three industry experts — Jeff Rubin, Bill Gwozd and Don Herring — dust off their crystal balls to see what 2011 has in store

by Jacqueline Louie

## The price of oil could soar

“2011 is going to be a banner year for the oil industry. We are going to see a return to triple-digit oil prices, and triple-digit oil prices are going to draw a lot of capital to the [oil]sands,” says author Jeff Rubin, an internationally known energy commentator who was the chief economist at CIBC World Markets for nearly 20 years. “There will be a lot of development, because this is where the future supply curve lies, particularly for oil.”

In a world of triple-digit oil prices, he believes, Canada’s importance as an energy supplier is going to be on a level this country has never seen before, thanks to unconventional oil and the oilsands.

“While that is going to bring a tremendous amount of oil wealth to oil-producing regions, it’s also going to be a double-edged sword,” adds Rubin, author of the 2009 book, *Why Your World Is About to Get a Whole Lot Smaller: Oil and the End of Globalization*,

which was recently updated and re-released in paperback form. “The Canadian dollar is increasingly becoming a petro-currency, and will become more of a petro-currency over the next 12 months. It’s our oil that is making the dollar so strong.

“And as [oilsands] production goes from 1.5 million barrels to ultimately three [million] to four million barrels a day, the Canadian dollar is going to go to places we have never seen — and that’s going to have a



Jeff Rubin, economist



Bill Gwozd, Ziff Energy Group

huge impact on non-oil producing provinces like Ontario and Quebec, because very little of their manufacturing sector is designed to be competitive at those exchange rates.”

Going forward, Rubin believes that the major political divisions in the country will revolve around energy, and he predicts those divisions will become more dramatic over time.

**“2011 is going to be a banner year for the oil industry. We are going to see a return to triple-digit oil prices.”**

— Jeff Rubin, economist and author

### Natural gas activity lower

For the first 10 months of 2010 (the latest statistics available), western Canada saw 3,650 oil well completions, compared to 3,550 completions for the first 10 months of 2007 — almost exactly the same number. Gas, however, is a different story. As of

Oct. 31, gas completions in western Canada were approximately 4,300 on a year-to-date basis, compared to 4,700 at the same time last year; 8,600 in 2008; and 10,600 in 2007 on a year-to-date basis.

“On the gas side, activity has fallen like a rock,” observes Bill Gwozd, P.Eng., gas services vice-president at Ziff Energy Group.

When breaking down numbers by province, “the big drop was really in Alberta,” Gwozd adds, noting that Alberta saw 3,550 gas well completions in 2010, compared to 8,950 in 2007.

However, Saskatchewan fell at a faster rate. By way of comparison, in 2007, Saskatchewan

punched more than 1,000 gas well completions in the first 10 months of the year, but in the first 10 months of 2010, that number had fallen to 170. Rounding out the west, British Columbia has remained fairly constant, handling approximately 500–600 wells annually for the first 10 months of the year in each of the past four years.

In western Canada, Gwozd says, the industry hit a record peak in 2004, with 15,700 gas well completions — a number he doesn’t think will ever be achieved again, for two main reasons. For one thing, in 2004 an estimated five per cent of wells were horizontal. But today, many wells are horizontal with multiple legs, and the initial deliverability is much greater than with an old well.

“A big well that is drilled today may be equal to 100 old typical wells,” he says.

The second reason, he notes, “is that you can only put so many wells into a pool. Eventually, you will reach a finite limit, and incremental wells may not contribute as much as the first well.” ▶

What does all this mean for the drilling industry? With lower well counts, those who manufacture or sell services on a per-well basis will see less business, Gwozd says. But for those selling a service based on length, the situation is not as dire, since many wells now have greater length, and could also be deeper than in the past.

For its part, the Alberta government has provided clear leadership in grinding down the royalty take — and lower royalty rates will help stimulate the industry, Gwozd says. However, even though the government has done all it can, he cautions there are still economic challenges remaining.

Ziff Energy's June 2010 white paper, written by chief executive officer Paul Ziff, showed that conventional gas well production in western Canada is economically challenged. In terms of the drilling aspect, the average full cycle cost of gas in North America in 2009 was approximately \$5.50, versus \$6-\$6.50 in western Canada.

"Consequently, producers are shifting capital away from western Canada on the conventional side," Gwozd says.

On the other hand, some of the new technical gas, such as tight gas or shale gas, is expanding. "The Horn River is creating opportunities. Even though there may be a grim outlook, there are still bright sides to be found."

In the new year, Gwozd sees gas activity "perhaps plateauing at this lower level," suggesting western Canada could see approximately 4,000 gas well completions in 2011, or potentially a shade higher.

**"On the gas side, it doesn't look all that attractive."**

— Bill Gwozd, Ziff Energy Group

In 2011, the price of oil will be buoyed, but the price of gas will struggle well below \$5, Gwozd says. "On the gas side, it doesn't look all that attractive." He points to Ziff Energy's June white paper, which calls for producers and service companies to make key changes in order for the conventional natural gas industry to continue prospering.

"We believe industry has to make some fundamental shifts. Without a shift, you'll go back to where you are, and won't dig yourself out," Gwozd says.

The CAODC is forecasting a rig utilization rate of 45 per cent in 2011 — a modest improvement compared to expected 2010 figures of 41 per cent. CAODC's forecast also anticipates an eight per cent increase in drilling days in 2011, compared to 2010 figures.

"We are fortunate in the WCSB that we have



Don Herring, CAODC

### A continuation of 2010

Don Herring, president of the Canadian Association of Oilwell Drilling Contractors (CAODC), sees 2011 being a continuation of 2010 "with a little bit of an improvement."

reserves of both oil and gas," Herring says. "In a perfect world, we would have strong enough commodity prices to drill for both, but the real focus now is on oil because gas prices are so weak."

Among the challenges that industry now faces, he adds, are ensuring it has enough trained crews to handle the work that needs to be done and communicating more effectively with the public so that people have a better understanding of the energy industry and its contribution to the economy.

Western Canada is a high-cost environment, and it's also important that industry works with provincial governments to make regulations more consistent so that the energy industry is not burdened with unnecessary costs, Herring says. ■

## SAFETY



# Safety Alert (#16—2010)

## Overturn of a Freestanding Mobile Double Service Rig

<b>Incident Type:</b> Equipment Malfunction
<b>Release Date:</b> June 28, 2010
<b>Location:</b> Alberta, Canada



### Description of incident:

- While raising the derrick during rigging up, the top section was scoped up in to position and pinned. The blocks were lowered to the rig floor to remove the scoping lines and cradle from the hook.
- The floorhand and motorhand were trying to open the latch arm of the hook to remove the cradle, but the latch arm would not stay open. The driller went to assist the workers open the latch arm. He positioned himself at the backside of the blocks and placed his left hand on top of the backside of the hook in the shank travel area.
- Not realizing that the hook was in the open/loaded position, the driller used his right hand to assist with pushing the hook latch open; when the shank came free of the obstruction it slammed shut crushing his left thumb.

### What caused it:

- Inspection of the block and hook found that the spring housing cap bolts were not in place. This allowed the spring housing cap to shift when the hook was under load. The shifted spring housing cap obstructed the spring retainer plate from its normal travel.
- The spring housing cap shifted into the proper position, when the hook latch was in the process of being opened, which caused the hook shank/retainer plate to travel inside of the housing cap, crushing the worker's thumb between the hook and the lower case.

### Corrective actions:

- The procedure for bridling up and down should include a visual inspection of the hook spring to ensure that it is closed prior to working in close proximity of the blocks.
- Employers need to follow OEM specifications for use and operation of overhead equipment.
- Report deficiencies to the OEM for recommendations to prevent reoccurrence.

---

Contact: Enform | 1538 – 25 Avenue NE | Calgary, Alberta, Canada T2E 8Y3 | E: [safety@enform.ca](mailto:safety@enform.ca) | T: (403) 250-9606 | [www.enform.ca](http://www.enform.ca)

DISCLAIMER: This Safety Alert is designed to prevent similar incidents by communicating the information at the earliest possible opportunity. The information may change accordingly over time. It may be necessary to obtain updates from the source before relying upon the accuracy of the information contained herein. This material is presented for information purposes only. Managers and supervisors should evaluate this information to determine if it can be applied to their own situations and practices.

# Thank You To Our Sponsors

**GOLD**

**ENSIGN**  
ENERGY SERVICES INC.

**QMAX**  
SOLUTIONS INC.

**ENVENTURE**

**Newpark**  
CANADA INC.

**Schlumberger**

**xi TECHNOLOGIES INC.**  
enhanced energy information

**Precision Drilling**

**SILVER**

**CJS COILED TUBING**  
SUPPLY LTD.

**SpiritWest**  
ENERGY SERVICES

**MI SWACO**

**DEPARTURE**  
ENERGY SERVICES INC.

**PAJAK**  
ENGINEERING LTD.

**HALLIBURTON**

**VAREL**  
ROCK BITS CANADA

**WELL CONTROL GROUP**  
IWCF TRAINING & WELL CONTROL SOLUTIONS

**Scientific Drilling**  
Canadian Operations

**D&R**  
DIRECTIONAL

**SMITH**

**Code-Rite**  
Data Integrity Solutions

**TRISTAR**  
OUR EXPERIENCE  
YOUR ADVANTAGE

**Packers Plus** Do It Once  
Do It Right

**LAYFIELD**

**CATHEDRAL**

**RPS Energy**

**Savanna**  
Energy Services Corp.

**PACESETTER**  
YOUR PARTNERS IN DRILLING PERFORMANCE

## Sponsorship Opportunities

The CADE sponsorship package offers a cost-effective way to inform the key decision makers of our member companies about your products and services. Stay visible and competitive by making a CADE sponsorship part of your overall marketing strategy.

In addition to advertising placements, sponsors receive:

- Coverage at each technical luncheon in print and PowerPoint slides
- Visibility on the CADE website
- Recognition on the dedicated Sponsor Page in each issue of the journal

Contact Nick Drinkwater today to arrange for your sponsorship advantage. Email: [ndrinkwater@junewarren-nickles.com](mailto:ndrinkwater@junewarren-nickles.com) or phone 403-516-3484.

# NEW IDEAS for old fields

CADE-CAODC conference issues call for presentations for 2011 drilling conference

by Aimée Barnabé

Technical and operations personnel are being challenged to find new ideas to drill and complete wells in mature basins. The CADE-CAODC Drilling Conference Technical Committee invites you to submit an abstract for the 2011 event. The theme this year is "Old Fields. New Ideas."

Industry's growth is dependent upon the ability to look at previously accepted old solutions and develop innovative and potentially unconventional new ideas to sustain Canada's place as a technological leader on a global scale.

The one-day conference will take place on May 12, 2011, at the Telus Convention Centre in downtown Calgary. The occasion brings together a unique mix of engineers, operators, contractors and technical representatives to share innovations, new techniques, best practices and the latest solutions.

The Technical Committee is currently accepting abstracts in various categories

including: Logistics and Site Construction, steam assisted gravity drainage, Drilling Fluids Advancements, Well Control Case Studies/ Issues and many others. If you are interested in presenting at the 2011 conference, all you have to do is prepare a 200–300 word abstract that summarizes the main points of your topic.

Successful authors will garner the opportunity to deliver a 15–20 minute presentation to industry colleagues. Submissions can be sent in quickly and easily through the website at [www.drillingconference.ca](http://www.drillingconference.ca). The submission deadline is Jan. 31, 2011.

Once all of the potential presentations have been received, the Technical Committee will begin the difficult task of evaluating each submission. The rigorous review process will include criteria such as:

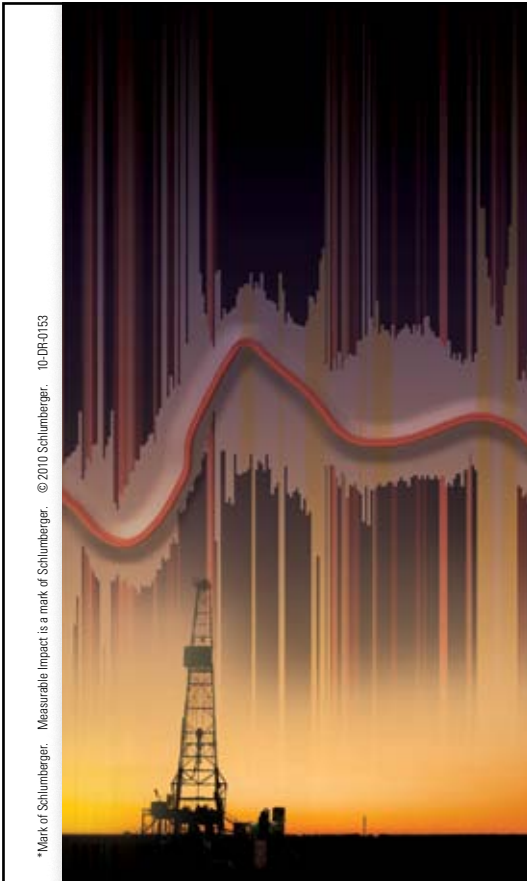
- Purpose and reason for work
- Quality and quantity of data
- Amount of operator participation

- Application to industry
- Relevance to theme of conference

According to Technical Committee co-chair Mark Scholz, the key to an outstanding presentation is "that magical combination of cooperation between a service company and an operator that results in an outstanding case study." Scholz encourages all technical drilling and completions staff, field consultants, service companies and rig contractors to look into their drilling and completions programs to find cutting-edge processes and equipment to share with their peers.

For more information on this year's conference, to submit an abstract or obtain information on registration, visit the website at [www.drillingconference.ca](http://www.drillingconference.ca).

To advertise in the conference guide, or for sponsorship opportunities, contact Nick Drinkwater at [ndrinkwater@junewarren-nickles.com](mailto:ndrinkwater@junewarren-nickles.com). ■



\*Mark of Schlumberger. Measurable impact is a mark of Schlumberger. © 2010 Schlumberger. 10-DR-0153

## PeriScope

BED BOUNDARY MAPPER

**Bring boundaries into focus.**

Pradera Resources increased production by orders of magnitude using the PeriScope\* service to place 100% of a 3,000-ft horizontal lateral in an undulating oil reservoir in western Canada.

PeriScope lets you continuously monitor formation and fluid boundaries up to 21 ft from the wellbore so you can

- maximize production
- eliminate sidetracks.

Position your wells in the best place in less time.

**403-509-4000**  
**[www.slb.com/PeriScope](http://www.slb.com/PeriScope)**

# Schlumberger

# Stats At A Glance

## Drilling Rig Activity *November 23, 2010*

	ACTIVE	DOWN	TOTAL	% ACTIVE
Alberta	314	225	539	58%
Saskatchewan	89	54	143	62%
British Columbia	52	40	92	57%
Manitoba	15	4	19	79%
<b>Western Canada Total</b>	<b>470</b>	<b>323</b>	<b>793</b>	<b>59%</b>
Northwest Territories	-	1	1	0%
<b>Northern Canada Total</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>0%</b>
Ontario	-	1	1	0%
Quebec	-	1	1	0%
New Brunswick	1	2	3	33%
Nova Scotia	1	-	1	100%
Newfoundland	1	-	1	100%
<b>Eastern Canada Total</b>	<b>3</b>	<b>4</b>	<b>7</b>	<b>43%</b>
<b>Canada Total</b>	<b>473</b>	<b>328</b>	<b>801</b>	<b>59%</b>

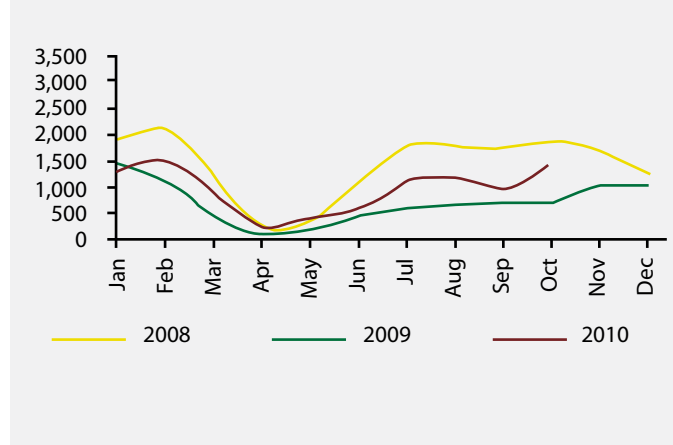
## Service Rig Activity *November 23, 2010*

	ACTIVE	DOWN	TOTAL	% ACTIVE
Alberta	403	259	662	61%
Saskatchewan	130	54	184	71%
British Columbia	20	12	32	63%
Manitoba	14	3	17	82%
<b>Western Canada Total</b>	<b>567</b>	<b>328</b>	<b>895</b>	<b>63%</b>
Quebec	-	1	1	0%
<b>Eastern Canada Total</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>0%</b>
<b>Canada Total</b>	<b>567</b>	<b>329</b>	<b>896</b>	<b>63%</b>

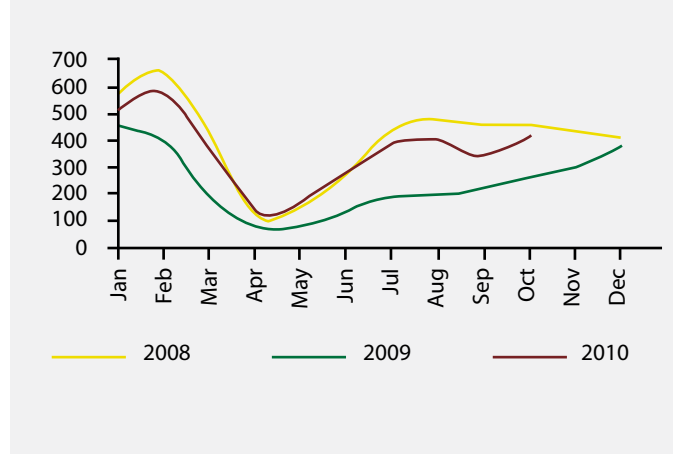
### JOURNAL CONTENT

Information in this publication may be sourced through a variety of contributors. Members are encouraged to email their suggestions regarding articles, general content and statistical graphs and charts to: Dale Lunan at [dlunan@junewarren-nickles.com](mailto:dlunan@junewarren-nickles.com)

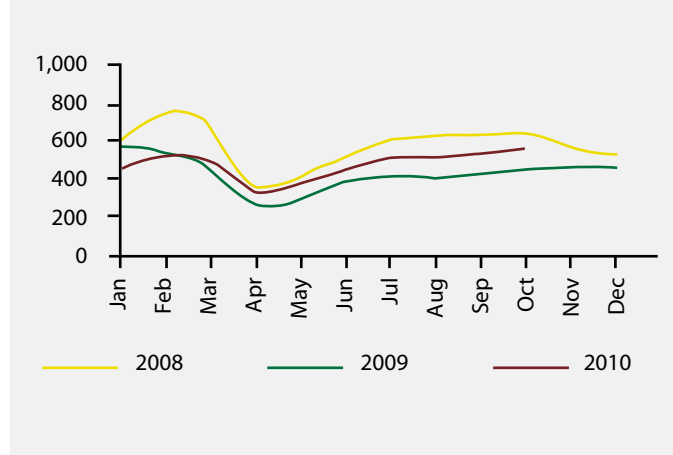
## Canadian Wells Rig Released *October 2010*



## Active Drilling Rigs in Canada *October 2010*



## Active Service Rigs in Canada *October 2010*





**Diverse operations worldwide**  
**Commitment to safety and customer service**  
**Committed to operational excellence**

Services available from Ensign include:

- Automated Drill Rigs (ADR™)
- Conventional Drilling Rigs
- Directional Drilling Services
- Well Servicing Rigs
- Underbalanced Drilling Units
- Managed Pressure Drilling
- Braided and Slickline Wireline Units
- Production Testing Units
- Coring Rigs
- Camp Services
- Oilfield Equipment Rentals
- Manufacturing of Oilfield Production Equipment

**ENSIGN ENERGY SERVICES INC.**  
 Corporate Head Office  
 400 - 5th Avenue SW, Suite 1000  
 Calgary, AB Canada T2P 0L6  
 Tel: (403) 262-1361  
 info@ensignenergy.com  
 www.ensignenergy.com



*"Performance Excellence – Second to None"*



## Globally Diversified, Locally Focused

Congratulations to our customers who, in part through collaborative development with Q'Max, have formulated successful solutions in some of the toughest local drilling areas. With over 1,100 employees in 7 different countries, we find local solutions for customer specific needs.

Q'Max is the largest, privately owned, Canadian drilling fluids company.

**Let us show you the benefits of our global experience.**



**HEAD OFFICE**

Calgary, Alberta Canada

**T** 403.269.2242 **F** 403.269.2251

**W** www.qmaxsolutions.com



CANADA • USA • COLOMBIA • ECUADOR • PERU • MEXICO • INDIA

# BECOME A CADE SPONSOR



As you look to build your business and launch new technologies, new products and services in the Drilling Industry, your CADE Sponsorship offers you a cost effective way to deliver your message directly to the entire membership of the leading industry association for Well Construction Professionals in Canada.

**SUPPORT CADE BY SPONSORING OUR TECHNICAL LUNCHESES, OUR WEBSITE AND THE *CANADIAN WELL CONSTRUCTION JOURNAL*.**

## **YOUR SPONSORSHIP INCLUDES:**

- Ads in the brand new Canadian Well Construction Journal, full of relevant industry news and articles, presented in a high quality, full colour magazine
- Your logo in the "Thank you to our sponsors" feature on the CADE website and in every issue of Canadian Well Construction Journal
- Your logo on the "Thank you to our sponsors" display at every CADE Technical Luncheon
- Authorized use of the CADE logo on your website and in marketing materials

**2010/2011 SPONSORSHIP PACKAGES NOW AVAILABLE**

**SIGN UP NOW!**



## **Contact Information**

**Nick Drinkwater**

**P: 403.516.3484**

**E: [ndrinkwater@junewarren-nickles.com](mailto:ndrinkwater@junewarren-nickles.com)**

**[www.cade.ca](http://www.cade.ca)**