

## The Alaska Driller

The Newsletter of The American Association of Drilling Engineers  
Anchorage, Alaska Chapter - PO Box 93538 Anchorage, AK 99509-3538

### AADE AK Chapter MISSION

*To provide the forum for the dissemination of practical drilling technology to those employed or interested in the drilling industry.*

### AN AADE Monthly Forum

When: **Wednesday – December 16, 2015**

**RSVP by EoB  
Mon 12/14/15**

Time: **11:30 AM - 1:00 PM**

Where: **BPXA Atrium Conference Rooms A & B**

Speaker: ***Brain Norton, Summit ESP***

Topic: **The impact of directional drilling on ESP completions**

Reservations: [www.123signup.com/register?id=pbyhm](http://www.123signup.com/register?id=pbyhm)

or [www.aade.org/chapters/alaska/](http://www.aade.org/chapters/alaska/)

**From the President** by Eric Dompeling, SolstenXP [eric.dompeling@solstenxp.com](mailto:eric.dompeling@solstenxp.com)

The November joint meeting with SPE at the Bears Tooth in Spenard was attended by more than 100 people. Judging by the number of people who showed up, Pt. Thomson holds a significant interest for those not involved in this high pressure gas and condensate field. Lauren McGovern did a very nice job of giving us some background on the project and then going into the specific completion design for the wells currently in place and planned this year.

Many thanks to Lauren for that excellent presentation, Mark Pohler for working with AADE and SPE to make the AK-LNG and Point Thomson meetings a reality and to Exxon Mobil for allowing this information to be presented.

### ***Please welcome Diana Guzman to the Steering Committee!***

Once of our AADE Steering Committee members, Trevor Hyatt, has taken a position with BP on the North Slope, where he is working a rotation schedule. Unfortunately, this prevents him from attending the regular board meetings and continuing to be active in the organization. Trevor has been a great asset to the AADE Board and has decided that in the best interest of the organization that he steps down for the remainder on his term; thank you Trevor, for your significant contribution to the organization the past two years.

Diana Guzman has been elected by the board to fill that position. Diana works for ConocoPhillips and has graciously accepted our invitation to work on the steering committee for the balance of the term. Welcome Aboard Diana!

## **December Speaker**

Our December meeting will take a slightly different tack. A significant number of Wells in Alaska are completed with Electric Submersible Pumps (ESP's). Many a Drilling Engineer is tasked with designing a well for an ESP completion, either when the well is first put on production, or later in its life. Brian Norton has agreed to provide some insight into the considerations for a well design with an ESP completion in mind.

Bio: Brian Norton

Brian serves as a Business Development Manager for Summit ESP in Anchorage. Brian has over 17 years of oilfield experience in Alaska; the most recent 9 years are in the ESP industry where he held a variety of roles in Alaska including Field Service Coordinator, Field Operations Manager and Account Manager. Before working with ESP' Brian's oilfield experience was in production well testing, production operations and maintenance, exploration well testing, drill stem testing, along with solids handling and injection. Brian has worked at various locations in Alaska both on and offshore, from Cook Inlet to the North Slope.

Presentation: Impact of directional drilling on ESP completions.

A brief history of the ESP's followed by discussing the impact of inclination, dogleg severity, casing size, and set depth on an ESP completion.

## **Increased Lunch Cost and Membership**

The AADE Alaska Chapter held its monthly Board meeting in October and at the request of the President, looked into the current cost of food and beverage for our monthly meetings.

BP has been a great advocate of the AADE by letting us utilize their incredible facility for our meetings. Thank you BP for your continued support. The benefit to our organization is incalculable.

The NANA Catering company, that provides the food at the meetings, is an independent organization that runs a for profit catering business at BPXA and has supported our lunch meetings and been very accommodating in the changes we continually make to our lunch head count and other last minute changes to room size and food requests. They also have made this easy for us to hold our meetings there.

After a review of the cost, we determined that at the current rate of \$25 we lose about \$3 per person to hold the meetings; food cost continues to increase. The last several meetings have resulted in a loss of money to hold the meetings.

Much as I regret to inform you, we see no option other than to increase the charge to our membership to cover the cost of the lunch meetings to \$30.00. At the same time it was determined that a cost increase to \$30 annually, for membership was warranted, as we are 1 of 11 chapters that has not increased our due's since 2004.

I hope that this increase will not have a negative impact on membership and that you will continue to support this all volunteer organization in bringing you informative and educational presentations going forward.

Eric



## **Call for 2015-16 Speakers at UAF**

If you have the time to travel to Fairbanks to speak to the AADE Student Section on one of the following subjects contact James Niedermeyer at [James.Niedermeyer@bp.com](mailto:James.Niedermeyer@bp.com)

Some suggested topics are included below, but not limited to the following. If you have a topic that might be of interest to Students, contact James Niedermeyer or Dr Patil and suggest a presentation.

- **Completion design**
- **Managed pressure drilling**
- **Under vs. Over balance drilling**
- **Coil Tubing drilling / Coil completions**
- **Gas lift, ESP and velocity string production**
- **Production design and engineering**
- **MWD/LWD**
- **Inflatable Bridge Plugs**
- **Extended reach drilling and completion**
- **Oilfield Service company process and Procedures**

**Friday Presentation**

## Tips from the State

**From AOGCC; by Guy Schwartz**

**Permitting Statistics** (as of November 30, 2015)  
Permits to Drill: 2015-**210** 2014- **196**  
Sundry Notices: 2015-**724** 2014- **641**

### **10-403 Sundry Maximum Potential Surface Pressure (MPSP):**

A new form for 10-403 was recently issued (revision date 11/2015). One of the changes is now a requirement for **Maximum Potential Surface Pressure (MPSP)** for each sundry application and is found in section 11 of the form 10-403.

Under **regulation 20 AAC 25.280(b) (4)** a value for MPSP has always been required for sundry applications but not clear when to deviate from the .1 psi/ft gradient.

MPSP is somewhat different than the drilling MASP (on form 10-401 box 17) in that it is not always directly tied to the reservoir pressure. In many cases MPSP can be higher than simply a 0.1 psi/ft gradient back to surface if well operations include FCO, stimulations or adding perforations to a new potentially higher pressure zone.

So in summary MPSP for sundry applications should reflect the highest potential pressure at surface either by virtue of the reservoir pressure or if pumping operations are part of the work scope what that surface pressure might potentially be. MPSP is used to ensure BOPE equipment is tested to the proper pressure. An explanation of how the MPSP value was calculated should always be included in the sundry application.

**COMING EVENTS – Save the date**

12/16/15

**December Meeting**

Challenges of ESP installation on a drilling platform  
Brian Norton, Summit ESP

1/20/16

**January Meeting**

Cathy Foerster, AOGCC

2/17/16

**February Meeting**

Operators Forum

**AADE Meeting News** (Please post in Coffee Rooms)

**Date:** Wednesday, December 16, 2015

**Speaker:** *Brain Norton, Summit ESP*

**Topic:** *The impact of directional drilling on ESP completions*

**Time:** 11:30 A.M. – 1:00 pm

**Place:** **BPXA, Conference Room A & B**

**Cost:**  
\$30 for all members before 12/14  
\$35 after 12/14

**Reservations:** <http://www.aade.org/chapters/alaska/>  
**or,**  
[www.123signup.com/register?id=pbyhm](http://www.123signup.com/register?id=pbyhm)

To register for any other event, click on *calendar* in 123 signup and you will see a list of active events.

**2015-2016 Alaska BOARD OF DIRECTORS**

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