



**IADC Well Control Committee Meeting Minutes**  
**19 May 2010**  
**Chevron – Houston, TX**

Welcome, Building Safety, IADC Antitrust Guidelines & Policy, and Introductions – Brian Maness, Diamond Offshore (Committee Chairman) and Goran Andersson, Chevron (Host)

**Gulf of Mexico Deepwater Well Control Incident** – Steve Kropla, IADCCancelled, no presentation...speaker not available.

**Snubbing Curriculum – Alex Sas-Jaworsky, SAS Industries**Alex Sas-Jaworsky of SAS Industries, Inc. provided the Well Control Committee with an update of the IADC WellCAP Snubbing Well Control Training Curriculum revisions currently underway. The review focused on the need to better represent pressure containment practices employed in snubbing well intervention operations and the training needs for onsite vendor personnel. The existing snubbing training curricula (Supervisory and Fundamental levels) would be revised to be a 4-1/2 day “stand-alone” course targeting snubbing operations personnel and focus on the use of the pressure containing equipment components as the primary barrier during well control operations as opposed to only implementing a fluid circulation well kill program. The snubbing well control training curriculum revisions follow the same process as that used for the coiled tubing (CT) well control training curriculum revisions (creating a 4-1/2 day course for CT vendor personnel). Mr. Sas-Jaworsky pointed out that IADC supervisory certification for snubbing vendor personnel (and CT vendor personnel) is currently obtained through combination courses which significantly limits the time applied to snubbing specific (and CT specific) well control topics.

The discussion continued with comments offered by the Snubbing Well Control Curriculum committee members (Users and Vendors) regarding the need for targeted training of snubbing personnel and endorsement of the 4-1/2 day snubbing well control training program. At the conclusion of the discussion, Mr. Sas-Jaworsky offered the following proposals to the IADC Well Control Committee:

1. Require Service Representatives for Coiled Tubing Vendors to get IADC Supervisory (or Fundamental) Well Control Certification ONLY through the IADC 4-1/2 day Coiled Tubing Well Control course.
2. Require Service Representatives for Snubbing Vendors to get IADC Supervisory (or Fundamental) Well Control Certification ONLY through the IADC 4-1/2 day Snubbing Well Control Course once the curriculum revisions are completed and adopted by IADC.
3. Require that User Representatives (Company Employees and Consultants) receive supervisory well control certification for Snubbing and Coiled Tubing by restricting the training to a dedicated 4-1/2 day course focused on Well Servicing Well Control (Snubbing, Coiled Tubing/Wireline) and Workover Well Control (hydrostatically-balanced services using jointed tubing).

**Proposed “Grand Slam” Course Change – Larry Andrews, Wild Well Control**

Mr. Andrews presented a request to decrease the number of hours of the “grand slam” course, which includes drilling, workover/completion, wireline, snubbing and coiled tubing, from 48 to 45 hours.

He reported that 11 accredited training providers deliver the supervisory level grand slam course, and 7 providers deliver the fundamental level course. Slightly more than 6,000 certificates have been issued, all of which were by commercial training providers. He also noted that attendees are generally consultants.

Basis for the request is that duplication of topics exists when combining drilling, workover/completion, wireline, snubbing and coiled tubing. By example, he illustrated that a snubbing course contains 82 topics, 66 of which are already covered in a workover course.

He listed benefits of reducing the number of training hours to be: 1. more efficient, cost effective training; 2. instructor fatigue would be reduced; and 3. duplication of training topics would be reduced.

In discussion, it was pointed out that most training providers delivering this course currently eliminate the duplication of topics already, providing coverage of a particular topic only once in the course. Also noted was that the grand slam course is not a standardized course. It does, however, contain standard components.

Discussions will resume after lunch.

### **Instructor Requirements for Introductory Level – Petar Radulovic, Diamond Offshore Drilling Inc.**

At the last Well Control Committee meeting Mr. Radulovic was asked to review the requirements for Introductory instructors (with the assistance of other committee members). He reported that:

- Bulletin 09-01 clearly stated that the Instructor Qualifications listed in the bulletin do not apply to Introductory instructors.
- WCT-20 Introductory Course Only Application states that the training provider will specify the qualifications of any individual that the company selects as an Introductory instructor.
- WCT-01, the overall governing document for WellCAP accreditation, lists instructor requirements as choosing 2 of 3 requirements from either WellCAP supervisory certificate (from a school other than the one the applicant is working for), field experience, or teaching experience.

Mr. Radulovic pointed out that, as a WellCAP Review Panel member, he needs specific criteria when reviewing and deciding to approve or reject an instructor applicant.

He recommended three options: 1. follow the current requirements stated in WCT-01 and make forms available to support this application approach; 2. If training on the rig, permit supervisor, driller or personnel in positions above this level, to provide instruction. 3. If training is conducting in a classroom, follow Bulletin 09-01 requirements.

Discussion: The Introductory course was intended to provide on-the-job training, not classroom training. Attendees were expected to learn their worksite procedures and equipment and perform specific tasks. Thus appropriate instructors would be rig personnel as supervisor, driller or personnel in positions above this level.

Other issues around the Introductory course were discussed, including lack of Introductory instructor application availability on the website, and classroom and CBT delivery being utilized to deliver the training. It was recommended that a full review of the Introductory training be conducted. A subcommittee will be formed.

Decision: In the interim, WCT-01 will be followed as the instructor qualifications for Introductory instructions.

#### Action Items:

Form subcommittee to conduct total review of Introductory course curriculum,

- criteria and procedures
- Place application form on website to support Introductory instructor application.

### **IADC Subcommittee for Curriculum Review – Goran Andersson, Chevron**

Mr. Andersson reported that the subcommittee has met several times and to date have completed review of Chapters 1-4 of the Drilling curriculum.

Mr. Andersson indicated he wants to have land contractor input into the subcommittee but has been unsuccessful at identifying an individual who would assist with this effort. It was suggested that H & P might be willing to participate. Brenda Kelly indicated she and Steve Kropla were seeking land contractor representative but had thus far been unsuccessful at identifying anyone who would be available to assist with this review.

The Subcommittee meets in ½ day sessions.

Action Item: Benny Mason will contact H & P to request participation in the Curriculum Subcommittee review of Drilling Curriculum.

### **Lunch Break**

Mr. Maness announced that a Memorial Service would be held in Jackson, Mississippi on 25<sup>th</sup> May at 10 a.m. for those killed in the Transocean rig explosion. The Service will be telecast at the Crown Plaza at Highway 6 in Houston. Committee members are invited to attend.

A moment of silence was observed in memory and honor of those killed.

Lunch was served.

### **BOP Monitoring System – Frank Chapman, Ashford Tech**

Mr. Chapman presented his company's new technology for remotely assessing the status of the rig's Blow Out Preventer (BOP). The computer system communicates via satellite to the Tool Pusher's panel or HPU and collects data from the panel on an ongoing basis. Data are remotely accessed via the web and can be used to detect equipment performance nearing design maximum capacity as well as to maintain historical BOP performance information.

Benefits of the system were listed as:

- Reduce down time and costs
- Improve operations
- Increase safety

### **IADC News -- Brenda Kelly, IADC**

- Well Control Roundtable & Workshop, Aberdeen - Ms. Kelly asked for a report from the simulator manufacturers about the recent Workshop held in Aberdeen in conjunction with the IADC Well Control Europe Conference. Ed Ramsay, Drilling Systems, and Chuck Boyd, CS, reported that the overall feedback was positive. They reported that workshop attendance was around 30 people, a good turn out in spite of limited advance notification of the event. They suggested that better coordination between the Well Control Committee and conference staff was needed. In addition, they suggested Accreditation & Certification staff better strategize with conference staff for future events. Both

companies are very open to conducting another workshop at the November Well Control Conference in Bahrain.

- Senior Instructor Qualifications Guidelines - Should separate instructor requirements be established to make it easier for senior instructors to maintain WellCAP instructor approval? This question was raised at the last meeting. Brief discussions of the circumstances warranting this provision ensued. It was pointed out that the special case provision would be for senior instructors with management responsibilities, nearing retirement, etc. who are limited in their ability to meet classroom time requirements. The group decided to define the criteria in the next meeting.
- WellCAP Plus Facilitators – Next WellCAP Facilitator Certification course is 18-21 October 2010. Chevron will host the course. Questions were asked about how to improve participation in the WellCAP Plus Facilitator Certification course and in the WellCAP Plus (WCP) program. Mr. Andersson suggested identifying other sources of facilitator training. Ms. Kelly indicated that the limiting factor for the WCP program is not limited availability of professional facilitators for the Facilitator Certification course. Several individuals have been invited to observe the IADC Facilitator Certification course, and one new facilitator has been added to the course delivery. The greater issue is in how to get students into the class, and to get companies to adopt the WCP program. Other suggestions were made including: 1. move the Facilitator Certification course from an IADC course to commercial schools; 2. issue a different, higher lever, “Advanced Certificate” for WCP; and 3. consider training facilitators other than Linda Dowling to create a larger pool of Professional Facilitators available for delivery of the Certified Facilitator course.
- Conference Schedule – IADC Drilling Onshore Conference & Exhibition, 20 May 2010, Houston; IADC Well Control Middle East Conference & Exhibition, 29-30 November 2010, Bahrain

**Action Item:**

Brenda Kelly - Plan Well Control Simulator Workshop for the Bahrain Well Control Middle East Conference.

**Open Discussions:**

“Grand Slam Course” (cont’d.) -- The certificate issued to participants of the grand slam course receive the same certificate as those attending a 4 ½ day specialized course certificate. Reviewing the title placed on the certificate may be in order. Optional naming of the certificate suggested was “Drilling, Workover and Well Servicing” certificate.

It was pointed out that the grand slam course was an U.S. Minerals Management Service course design that IADC adopted at the beginning of the WellCAP accreditation program.

Mr. Maness asked for a show of hands for interest in taking this issue to subcommittee for review and recommendations and to public comment. Three attendees were in favor of going forward, five were opposed. The issue will not go to Curriculum Subcommittee at this time, but will become part of the Subcommittee’s routine course review process.

**Next Meeting:** 17 or 19 August 2010, Diamond Offshore Drilling Inc. to host.

**Next Agenda Topics:**

- Instructor Qualifications Guidelines for Senior Instructors

- Report WellCAP certificates issued by course and level

## Meeting Adjourned

### Attendance:

Name		Company Name
Jameson R.	Wendell	<b>Boots &amp; Coots Services</b>
E.J.	Bergeron	<b>Boots &amp; Coots Services</b>
Ron	Fuqua	<b>BP</b>
Troy	Kehoe	<b>Check Six, Inc</b>
Jason	McAlister	<b>Check Six, Inc</b>
Dan	Javonovic	<b>Chevron</b>
Fred	Mueller	<b>Chevron</b>
Goran	Andersson	<b>Chevron</b>
Glenn	Henninger	<b>Chevron</b>
John	Breidenthal	<b>Chevron</b>
Fergie	Campbell	<b>COR International</b>
Ted	Thames	<b>COR Rentals USA LLC</b>
Thomas E.	Goen	<b>COR Rentals USA LLC</b>
Chuck	Boyd	<b>CS Inc.</b>
Brian	Maness	<b>Diamond Offshore</b>
Petar	Radulovic	<b>Diamond Offshore</b>
A.J.	Guiteau	<b>Diamond Offshore</b>
Ed	Ramsay	<b>Drilling Systems (UK) Ltd</b>
John	Blackwell	<b>EFC Group</b>
George	Edwards	<b>George W. Edwards Consulting</b>
Martin	Park	<b>Halliburton</b>
Bob	Burnett	<b>Hercules Offshore</b>
Marlene	Diaz	<b>IADC</b>
Brenda	Kelly	<b>IADC</b>
Hal	Kendall	<b>Kenda Enterprises</b>
Eric	Ensley	<b>National Oilwell Varco</b>
Gary	Kirsch	<b>National Oilwell Varco</b>
Chris	Johnson	<b>National Oilwell Varco</b>
Frank	Springett	<b>National Oilwell Varco</b>
Bruce	Darlington	<b>Newfield Exploration</b>

Cheryl	Francis	<b>Occidental Oil &amp; Gas</b>
Benny	Mason	<b>Occidental Oil &amp; Gas</b>
Ginger	Coffey	<b>Pacific Drilling</b>
Fran	Kennedy-Elis	<b>PETEX</b>
Gary W.	Franklin	<b>Petroleum College International</b>
Ron	Baker	<b>Petroleum Training Consultants</b>
Gary	Nance	<b>Randy Smith Training Solutions</b>
Alex	Sas-Jaworsky	<b>SAS Industries</b>
Don	Reitsma	<b>Smith International</b>
B. David	Hamilton	<b>Transocean</b>
Barry J.	Cooper	<b>Well Control School</b>
Larry	Andrews	<b>Wild Well Control Inc.</b>