

All meetings must have a written agenda that is circulated prior to the meeting. Attendees must strictly follow the agenda. Topics not on the agenda must be deferred until the next meeting. An attendee shall be assigned to record and distribute the minutes of each meeting. The minutes shall include a record of who attended the meeting.



# Well Control Committee Meeting

## 20 February 2013



Host:

IADC

10370 Richmond Ave., Suite 760, Crown Center 1 and 2

Houston, Texas 77042

## MINUTES

8:30 – 8:35	<b>Welcome, IADC Antitrust Guidelines &amp; Policies</b> Dan Munoz, Transocean, Committee Chairman  For a copy of IADC's antitrust guidelines, go to <a href="http://www.iadc.org/about-iadc/iadc-antitrust-policy-and-guidelines/">http://www.iadc.org/about-iadc/iadc-antitrust-policy-and-guidelines/</a> .
8:35 – 8:40	<b>Facility Orientation/Safety</b> IADC staff reviews evacuation procedures.
8:40 – 8:50	<b>Attendee Introductions</b> Dan Munoz
8:50 – 9:20	<b>Well Control Committee's Importance to IADC</b> Steven Colville, IADC President & CEO  <ul style="list-style-type: none"><li>• <u>The Red Thread</u>: IADC's philosophy is that safety and quality improve when the right people are trained and in place to do the jobs. The red thread runs through everything we do. It represents our central purpose: Catalyzing Improved Performance. There is an urgent need for the whole industry to come together to drive improvement, particularly in terms of better regulation. Regulation should be transparent, appropriate, consistent, and instituted for the right reason(s), (example: fire-retardant clothing). IADC seeks to develop trust with regulators and industry and to become the authoritative body, thereby ensuring the license to operate in such a way that is economical, farther-reaching, and safe. This can be accomplished by creating inclusive collaboration with contractors, OEMs, regulators, operators, and service providers worldwide. Where are the accountabilities for all stages of the process? Historically, we have been activity-driven rather than issue-driven. There are five critical issues identified by IADC members: People (most important), Processes, Equipment, Legislation &amp; Regulation (a sense of what is happening and will happen), and Responsibility &amp; Accountability (where the risks are). The members decide what the key issues are and, therefore, what the programs should be (e.g., well control). The drilling space involves all of well control and the whole life of the well. We believe there should be one industry standard for well control, and we are moving forward toward that goal. IADC can represent the drilling contractors best. Within 5 years, everyone working on a rig should be properly trained for his or her level/type of operation. To accomplish that, we need more people to participate in updating the training, products, and technologies.</li><li>• <u>IADC Committees</u>: The committees need to find ways to connect people internationally and to collaborate with each other in identifying the critical issues and deciding on a direction. By getting input from the right people—those who represent the relevant aspects of the industry—we can provide greater quality. To facilitate this effort, we have modified the committee structure. We now have a committees coordinator, an onshore side (Ron Tyson, Joe Hurt), and an offshore side (Tom Burke, Alan Spackman). The onshore and offshore sides have subcommittees that collaborate with the committees. Recently, there was general agreement by worldwide O&amp;G representatives that well control is the primary driver for change. More of the industry needs to be represented on the Well Control Committee (WCC) to increase our influence within the industry and help the industry to grow.</li></ul>

	<p><b>Discussion</b></p> <p>How to improve auditing and compliance:</p> <ul style="list-style-type: none"> <li>• Companies are pressured to increase the competence standards for their employees.</li> <li>• To provide authentic quality control, IADC's QA/QC Division is separate from the Accreditation Division.</li> <li>• Companies that are removed from a program for noncompliance are unable to work with the other companies. Therefore, they are highly motivated to comply. We are continually improving our ability to monitor who is working in our industry and what their level of compliance is.</li> <li>• We are developing strategies for 1) collecting performance data (e.g., injuries and nonproductive time) and 2) communicating which activities have overlapping risk elements.</li> <li>• There is an enormous financial motive for members to participate in our programs in the post-Macondo world.</li> <li>• Some of the issues overlap between IADC and OGP (e.g., anchor handling, rigs listing). Collaboration between us and these other organizations can address some of these issues.</li> <li>• We are in the final stages of an agreement with Lloyd's Register for auditing services.</li> </ul> <p>How to drive IADC initiatives and to increase regulatory and industry involvement:</p> <ul style="list-style-type: none"> <li>• If you want to improve performance, you have to measure it.</li> <li>• We are considering how the data can be submitted to IADC by the groups who are best poised to address particular issues.</li> <li>• Post-Macondo, the industry is united in their desire to improve safety, and they want to develop standards before the regulators make their final decisions.</li> <li>• We would rather be proactive than reactive.</li> </ul>
9:20 – 9:50	<p><b>Committee Mission Statement &amp; Need for Collaboration</b></p> <p>Dan Munoz</p> <p>In a review of the WCC mission statement, the committee recognizes the need to foster more involvement of international members and to monitor the work of other industry working groups.</p> <p><u>Action items—Individuals volunteering to periodically report on the activities of other organizations, industry activities:</u></p> <ul style="list-style-type: none"> <li>• RP16: Alex Sas-Jaworsky (SAS Industries)</li> <li>• Standard 53: Gary Nance (Chevron) (presentation at next meeting)</li> <li>• RP64: Alex Sas-Jaworsky</li> <li>• RP75: Scott Randall will find out who is on this committee and report back.</li> <li>• RP96: Scott Randall, Bill Rau, &amp; Julia Swindle</li> <li>• RP97: Andy Frazelle &amp; Bill Rau (Need to recirculate the ballot.)</li> <li>• RP59: Need an operator representative. Bill Rau (Chevron), Andy Frazelle (BP) will find out who is on this committee and report back.</li> </ul> <p><b>Discussion</b></p> <p>The committee discussed our alignment with other organizations. Our core expectation is protection of personnel. If we have a better idea for how to do that, then we need some documentation about why it is better. The API has been changing its expectations, standards, and definitions. Once published, the standards must be incorporated into our training, or we will be questioned about why we believe ours is better.</p> <p>Several of API's new standards have to do with barriers, including a new definition of barriers. Well intervention is becoming the primary means of well control. IADC needs a hard connection to API.</p>
9:50 – 10:00	<p><b>Action Items (from Previous Committee Meeting)</b></p> <p>Dan Munoz</p> <ol style="list-style-type: none"> <li>1. Formulate "Gas in Riser" Workgroup recommendations.</li> <li>2. Finalize Bullheading Killsheet and place final version on the IADC website for public access.</li> </ol>

	<p>(Brenda Kelly)</p> <ol style="list-style-type: none"> <li>3. Identify currently accredited snubbing training providers, and create a distribution list for those training providers. (Brenda Kelly)</li> <li>4. Communicate interpretation of minimum simulation time to WellCAP providers. (Brenda Kelly)</li> <li>5. Make recommendations for simulator activities; submit to Simulator Subcommittee (Curriculum Subcommittee).</li> <li>6. Identify industry groups, organizations for which the Well Control Committee wants to monitor activity. (Committee leadership)</li> <li>7. Designate Committee members to track organizations identified in #6. (Committee Chairman)</li> <li>8. Revise the organization chart – the relationships among the Advisory Panel, the Committee, and IADC staff are not clearly conveyed.</li> </ol> <p>Review of action items delayed until Committee Steering Team meeting.</p>
10:00 – 10:10	<b>Break</b>
	<p><b>WellCAP Advisory Panel Update</b> Cason Swindle, Noble Drilling, Panel Chairman</p> <p>The WellCAP Advisory Panel has been working to review the WellCAP standard and develop recommendations for training enhancement. The recommendations to date are broadly in line with the OGP's recommendations and are currently pending finalization. The recommendations document will be submitted to Steve Kropla, who will review recommendations, decide the applicability of the recommendations, and then submit actionable recommendations to the WCC for action. The Committee will be tasked with developing the specifics in terms of management, processes, realigning curriculums, etc. The Panel will stay involved in the design and have an ongoing dialogue with this committee to make the standard revision successful.</p> <p>In addition, the Panel has reviewed the OGP's recommendations and will be submitting a response to OGP shortly. The Panel is monitoring the work of the OGP on human factors in well control (post-Macondo and Montara), as developed by the Wells Expert Committee, which is preparing a standalone document on behavioral assessment. This is an industry-wide effort to address the behavioral, human side of process safety because human factors are prevalent in incident and spill reports.</p> <p><b><u>Discussion</u></b></p> <p>The WCC's involvement in the Panel's recommendations:</p> <ul style="list-style-type: none"> <li>• The Panel's recommendations are very high level, and the WCC Chair is a member of the Panel. The WCC's responsibility is to determine the feasibility of recommendations and provide technical SME input into designing and implementing new requirements.</li> <li>• The Panel is looking at training structure (intro level, etc.) and codifying methods for including everyone who is involved in well control at all the different levels. They are defining what constitutes achievement, discussing how to allow customization (e.g., surface vs. subsea), and proposing additional endorsement levels of accreditation.</li> <li>• The challenge is that the Panel wants to avoid sending employees back to get a different certification every time they are working on a different well. They are also considering a means for continuing education in well control.</li> <li>• How all of these recommendations play out belongs to the WCC.</li> </ul> <p>What the Petroleum Engineering graduates need to know: The Panel realizes the need to identify every position involved in well control and what they need to know about well control. College students are not a separate category on the list. Once they get a position, then they are trained for the specific job. The WCC can amend the list of positions if necessary.</p> <p>Developing consistent views on kick tolerance and other issues: We do need minimal acceptable levels. We need to find some place where everyone agrees and then the customization can fall within those limits.</p> <p>IADC is working toward a single standard, single governance, and single administrative body. That body, now called the Well Control Institute, will reside outside of IADC and will comprise representation</p>

	<p>from a variety of groups (across the industry and internationally) to ensure broad representation. The Well Control Institute will also include an administrative body, within the IADC umbrella to satisfy ISO 9001 requirements.</p> <p>One of our goals is to ensure that the testing is consistent and has integrity. Creating an electronic platform would help a great deal in the consistency and integrity. Just because you can pass a test in a classroom does not mean you can handle a well control incident in the field (e.g., conceptual vs. applied learning).</p> <p>We have this window of opportunity to implement changes and program enhancements and to show that we can be self-regulating.</p>
11:10 – 11:25	<p><b>Well Control Committee Governance</b> Bob Warren (IADC Committees) &amp; Brenda Kelly (IADC Well Control Committee Liaison)</p> <p>Bob Warren was asked to observe IADC committees' interaction. Contractor members have not been highly participative in IADC committees, especially the WCC. Committee's output/value has not been uniform. Companies have the resources to populate the committees, so the challenge has been, "how do we motivate people who simply don't have much time to share their expertise?" There is energy and incentive for real improvements in our industry right now, and this does affect the WCC. All committees are charged with having their members more engaged.</p> <p>During a recent Drilling Contractors Focus Group meeting, the drilling contractors made some recommendations about how to get their colleagues more effectively involved:</p> <ul style="list-style-type: none"> <li>• Make the content of the meetings and action items more relevant, specific, and valuable. They suggested forming a steering team to decide on topics of discussion for each meeting. Add subgroups rather than discussing everything in the main committee. The drilling contractors want to meet separately to discuss their specific issues. Other groups can do the same. The smaller focus groups would then bring their messages back to the full committee.</li> <li>• Need to be more open in sharing lessons learned. From now on, every meeting will open with a well control lessons learned opportunity.</li> <li>• Work toward making IADC more international. One idea was starting this meeting at 7 a.m. to allow Europeans and Middle Easterners to have call-in time.</li> <li>• Revise the mission statement to include collaboration rather than networking, and clarify our role in standards setting.</li> <li>• Address issues relevant to onshore as well as offshore.</li> <li>• Adjust current governance structure and leadership to have Chairman rotating between onshore and offshore drilling contractor.</li> <li>• Expand drilling contractor participation.</li> <li>• Assign to each action item a sponsor from within drilling contractor community who will monitor progress of action items and ensure timely completion of tasks.</li> <li>• Contract a writer for taking meeting minutes.</li> </ul> <p>Changes implemented thus far as a result of drilling contractors' feedback include:</p> <ul style="list-style-type: none"> <li>• Committee leadership will be by drilling contractor members; Chairman and Co-Chairman will alternate between offshore contractor and onshore contractor.</li> <li>• Meetings will be planned by a Steering Team, not by IADC staff with input from the Chairman.</li> <li>• Stakeholder focus group meetings may be held in conjunction with regularly scheduled committee meetings. Focus meetings may be held at other times, as needed.</li> </ul>
11:25 – 12:00	<p><b>IADC &amp; WellCAP News</b> Brenda Kelly</p> <p><u>KSA project status</u> (Brooke Comeaux): Nine review teams have formed (e.g., drilling operations – onshore, marine, maintenance, etc.). Teams are meeting every week or two and plan to finish the first phase KSAs by June 2013. Each team is bringing resources from their own company and defining KSAs that are core as well as additional competencies. The new database should be functional by June, and will allow participants to pull lists of competencies generated according to their company's specific needs and the roles/responsibilities of a position. The goal is to provide companies that do not already</p>

	<p>have a competence program with a strong basis for their program. Additional SMEs for certain areas are needed.</p> <p><u>Well Control Conference of the Americas (Leesa Teel):</u> The call for abstracts was sent out, but only seven abstracts have been submitted. We are questioning the reason for this low response. We have good sponsors but just a lack of abstracts. In the past, we have received more submissions, mostly from service companies regarding managed pressure drilling. It is not an attendance issue but just an issue of organizing a good program. We have adopted some critical issue conferences to help broaden the scope to draw in different kinds of people rather than just well control. We invite people to participate on the conference program committee and welcome your participation. If we can put together a great program to educate your well control staff, then we will continue to do that.</p> <p><u>Discussion:</u></p> <ul style="list-style-type: none"> <li>• BSEE should be invited to present the new regulations.</li> <li>• Maybe we need to build crucial issues into the conference.</li> <li>• Topics to discuss with the Planning Committee: Status of joint well control training standard effort, CBT (training) information, riser gas handling roundtable, shear rams, new technology; Paul Sonnemann may have some interested SMEs; Dr. Richard Sears (ex-Shell) may be a good speaker on post-presidential-commission developments; Chevron's Well Safe program may be a good topic.</li> </ul>
	<p><b>Next Meeting</b> Next WCC meeting: May 15 at IADC; Drilling Contractor Focus Meeting at 7 a.m.; regular meeting starts at 8 a.m.</p> <p><u>Action Items</u></p> <ul style="list-style-type: none"> <li>• ALL MEMBERS: <ul style="list-style-type: none"> <li>○ Submit ideas for topics to include in this year's conference to Leesa. She will present all the ideas at the Program Committee meeting.</li> <li>○ Go back to your companies and solicit abstracts for and participation in the conference.</li> </ul> </li> </ul>
12:00	<b>ADJOURNMENT</b>
12:00 – 12:30	<b>Lunch – Sponsored by Chevron Energy Technology Company</b>

#### Attendance:

<b>Name</b>		<b>Company Name</b>
H. Gene	Wilson	<b>Aberdeen Drilling School</b>
Smarty	John	<b>ABS</b>
Jason	Sasarak	<b>BP</b>
Andrew	Frazelle	<b>BP</b>
Lei	Zhou	<b>BP</b>
James	Knight	<b>BP</b>
Ambar	Acevedo	<b>Chevron</b>
William	Rau	<b>Chevron</b>
Gary	Nance	<b>Chevron</b>
Gary	Landrum	<b>Consolidated Pressure Control LLC</b>
Chuck	Boyd	<b>CS Inc.</b>
David	Martin	<b>EnSCO plc</b>

Andy	Erwin	<b>Falck Alford</b>
Dave	Moyer	<b>Helmerich &amp; Payne</b>
Shane	Mendel	<b>Hercules Offshore</b>
Brenda	Kelly	<b>IADC</b>
Mark	Denkowski	<b>IADC</b>
Brooke	Comeaux	<b>IADC</b>
Patty	Tydings	<b>IADC</b>
Bob	Warren	<b>IADC</b>
Marlene	Diaz	<b>IADC</b>
Ian	Davidson	<b>Inadav LLC</b>
Leon	Robinson	<b>International Drilling Consultants</b>
Larry	Schmermund	<b>Intertek Consulting &amp; Training</b>
Jim	Kulis	<b>Nabors Well Services</b>
George	King	<b>National Oilwell Varco</b>
Johnny	Rollinson	<b>Occidental Oil &amp; Gas</b>
Scott	Randall	<b>Plus Alpha Risk Mgmt Solutions</b>
Johnny	Richard	<b>Rig QA</b>
Benny	Mason	<b>Rig QA</b>
Alex	Sas-Jaworsky	<b>SAS Industries Inc</b>
Deepak	Gala	<b>Shell International E &amp; P</b>
Dan	Munoz	<b>Transocean</b>
Chris	McGehee	<b>Transocean</b>
Dawn	Brown	<b>Well Control School</b>