

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

14 November 2012



Host:
ExxonMobil
 12400 Greenspoint Drive
 Houston, Texas 77060

MINUTES OF MEETING

8:00 – 8:10	<p>Welcome & IADC Antitrust Guidelines & Policies Dan Munoz, Transocean, Committee Chairman</p> <p>For a copy of IADC's antitrust guidelines, go to http://www.iadc.org/about-iadc/iadc-antitrust-policy-and-guidelines/.</p>
8:10 – 8:15	<p>Facility Orientation/Safety Briefing Shannon White, ExxonMobil</p>
8:15 – 8:30	<p>Attendee Introductions Dan Munoz, Transocean</p>
8:30 – 8:40	<p>Safety Moment: Surviving an Active Shooter</p> <p>Attendees watched a 6-minute video that provides instructions in how to survive if faced with the situation of an active shooter threatening your life. The video was produced by the City of Houston Mayor's Office of Public Safety and Homeland Security with funding from a U.S. Homeland Security grant. The video can be accessed at: http://www.youtube.com/watch?v=5VcSwejU2D0. Attendees were encouraged to tell others about this video.</p>
8:40 – 9:10	<p>Review of Action Items Dan Munoz, Transocean</p> <ol style="list-style-type: none"> 1. Gas in Riser Workgroup recommendations – first discussions have been held; recommendations have not be made at this time; Gene Wilson (Aberdeen Drilling School) and Brian Grayson (Weatherford) expressed interest in joining this effort. 2. Bullheading Killsheet vote – determined that a vote would not be required since the killsheet is not required for WellCAP. The Bullheading Killsheet will be treated as a training resource, thus the draft version will be finalized and placed on the IADC website for public access. 3. MPD well control terms and definitions feedback – no feedback was received from Committee members; specific members were asked to review UBO/MPD Committee's documents and provide feedback; their comments were forwarded to the UBO/MPD Committee. MPD Commiittee will finalize the document at its 3-5 December meeting. The next step will be to submit the document to American Petroleum Institue, who will consider the proposal for developing into an industry Recommended Practice. 4. Simulator requirements for Snubbing course – Brenda Kelly will identify currently accredited snubbing training providers, and create a distribution list for those training providers.

	<ol style="list-style-type: none"> 5. Communicate interpretation of minimum simulation time – IADC staff was to have communicated interpretation; correspondence with WellCAP-accredited training providers has not been distributed. 6. Curriculum Subcommittee recommendations for Simulator Subcommittee – no action taken 7. Identify industry groups, organizations for which WCC wants to monitor activity – no action; on hold 8. Designating Committee members to track organizations identified in #7 – no action; on hold.
<p style="text-align: center;">9:10 – 9:40</p>	<p>OGP WEC Human Factors Task Force – Phase 1 Recommendations Steve Kropla, IADC</p> <p>Mr. Kropla reported on the International Association of Oil & Gas Producers (OGP) recommendations of the Wells Expert Committee (WEC) Human Factors Task Force. The task force formulated recommendations for well control training in the post-Macondo era.</p> <p>Mr. Kropla began by giving an overview of OGP and 2 of its working groups: the Global Industry Response Group (GIRG), and the WEC. Post-Macondo, the GIRG conducted industry reviews in 3 areas: prevention, intervention, and response.</p> <p>The WEC, composed of 30 experts from the oil and gas industry and service companies, conducted the prevention review. The WEC formed 4 task groups whose activities focused on:</p> <ul style="list-style-type: none"> ○ Database of well control incidents ○ BOP reliability and technology ○ Human factors, to include training, competence, and behaviors ○ International standards <p>One of the objectives of the Human Factors Task Group (HFTG), headed by Steve Kropla, was to provide a step change improvement in both the Competence and Behaviors of Operations Teams in well control for the whole oil an gas industry.</p> <p>Phase 1 of the HFTG has been completed with the recommendations drafted and approved by OGP. The following were among the recommendations presented by the task group:</p> <ul style="list-style-type: none"> ● 5 levels of well control training, where the 5 levels are: 1. Awareness; 2. Basic; 3. Driller; 4. Supervisor; and 5. Engineer. ● Training altered to better suit type of well operations, rig type, and role of personnel ● Specific changes to training syllabi were proposed ● Scenario/simulator-based training to complement existing training <p>Mr. Kropla indicated that Level 1 would be pre-training for all personnel and would not be rig specific. He also indicated that the Level 5 training for</p>

	<p>engineers may be beyond the scope of IADC's WellCAP accreditation program. Operators tend to have in-house training to satisfy this requirement, thus IADC would likely not get involved in accrediting Level 5 training.</p> <p>The complete OGP document is available at www.ogp.org.uk/pubs/476.pdf.</p> <p>The incident database was initiated 2 months ago. Companies contributing data may access the data through the WEC website.</p> <p>IADC will review the OGP document and provide a response to OGP. The question was raised of whether or not a Committee subgroup should begin reviewing the OGP document. While an action item was proposed, a review subcommittee was not formed at this time.</p> <p>Mr. Kropla indicated that IWCF is reviewing the document and will provide feedback to OGP.</p> <p><u>Action Item:</u> A Subcommittee will look at the OGP Human Factors document and perhaps meet to figure out how to divide up components of the OGP document and create workgroups to study document.</p>
<p>9:40 – 10:00</p>	<p>Break</p>
<p>10:00 – 11:00</p>	<p>WellCAP Advisory Panel Cason Swindle, Noble</p> <p>Cason Swindle was unable to attend today's meeting. Dan Munoz gave an overview of the Advisory Panel's formation and activities. Steve Kropla supported Dan's presentation by providing background information on why IADC initiated the Advisory Panel.</p> <p>The Advisory Panel was formed to provide a high level operations perspective on well control training. The Panel is currently reviewing the WellCAP program and preparing recommendation in 6 areas:</p> <ul style="list-style-type: none"> • Training Structure • Training Content • Assessment • Accreditation • Governance • Achievement <p>Recommendations of the Advisory Panel go to the Group Vice President - Operational Integrity, who determines the appropriateness of acting on the recommendations and the means for addressing each recommendation.</p> <p>The Advisory Panel's membership consists of drilling contractor representatives, operator representatives and Chairmen of IADC Committees with well control activities. Mr. Munoz serves as the Well Control Committee's representative on the Panel. Committee chairs for the Well Servicing Committee and the Underbalanced Drilling/Managed Pressure Drilling Committee also serve on the Panel.</p> <p>In discussions that followed, Committee members requested ongoing interaction between the Committee and the Advisory Panel, and specifically asked for the following:</p> <ul style="list-style-type: none"> • With each recommendation for WellCAP program change to come from the Advisory Panel to the Committee, the Committee asked

	<p>that the Advisory Panel provide a statement of rationale for the recommendation. Specifically the Committee wants to know what is not currently working and why the change is being recommended.</p> <ul style="list-style-type: none"> • A representative from the WellCAP Advisory Panel give a report of the Advisory Panel's activities at each Committee meeting. • The organization chart showing the working relationships among the Advisory Panel, the Committee, and IADC staff be revised to reflect the relationships with IADC staff that were presented today. <p>More details will be provided at the Committee's February meeting.</p>
<p>11:00 – 11:15</p>	<p>Forming a Universal Definition of Well Control "Barrier" Scott Randall, AlphaPlus Risk</p> <p>Mr. Randall was unable to attend today's meeting. Brenda Kelly indicated that Mr. Randall requested to be on the program in hopes of stimulating Committee members' interest in the topic and in the formation of a workgroup to draft a universal definition of the well control term "barrier". Mr. Randall planned to discuss some of the different meanings of the term prevalent in the industry today.</p> <p>Several members expressed interest in having this topic scheduled for the next meeting and would be interested in participating in the workgroup. The topic will be rescheduled for the next meeting if Mr. Randall will be available to present.</p>
<p>11:15 – 11:35</p>	<p>Subcommittee Reports</p> <ul style="list-style-type: none"> • Curriculum – Gary Nance, Chevron • Simulator – Steve Vorenkamp, Wild Well Control <p>The Fundamental Drilling curriculum review is nearly completed. The revised curriculum will be submitted to the Committee for comment by end of 2012.</p> <p>A review team has been formed for review of the Workover curriculum and review will proceed after the Fundamental Drilling curriculum review is completed.</p> <p>Steve Vorenkamp, chairman of the Simulator subcommittee, was not present at the meeting, but sent notice to IADC that he must step down as chair.</p> <p>Benny Mason was appointed by the Committee Chairman to head the simulator subcommittee. Benny Mason has been actively engaged in the Simulator Subcommittee, and volunteered to chair the Subcommittee.</p> <p>In other discussions of the Simulator Subcommittee's activities, Ed Geissler raised the question of the need for inclusion of simulation requirements for the Snubbing course. He indicated that his company includes simulation in their snubbing course. It was suggested that Mr. Geissler host the next subcommittee meeting, and demonstrate his company's snubbing simulator. He agreed.</p> <p>Report was given that Chevron is involved with Check 6 in the development of simulator software. The software can be run on a computer offsite or in the office. Chevron will be using the simulator to provide continuing education/additional simulator training for Chevron staff.</p> <p>Questions were raised about the number of people permitted per simulator</p>

	<p>exercise. Six people per simulator in a course is never permissible.</p> <p>Another question about maximum class size was raised for the situation where a class instructor and a simulator instructor are present. The answer given was that the two instructors do not impact the number of people unless the course is extended to include more time or additional simulators are added.</p>
<p>11:35 – 11:45</p>	<p>IADC & WellCAP News</p> <ul style="list-style-type: none"> • KSA Project Status • IADC Review/Observations of Well Control Committee Function • Well Control Conference 2013 • Bullheading Killsheet • Other News <p>Brenda Kelly, IADC</p> <p>Brooke Comeaux reported on the current status of the KSA project, reporting that the Worldwide Mapping effort is completed and the report to be submitted to IADC in early November. Pilot surveys were conducted to test the functionality of the survey, and the official survey is now being sent to members. Review teams are being formed to review the information gathered from the surveys. If anyone is interested in participating in a review team, contact Brooke at brooke.comeaux@iadc.org.</p> <p>Bob Warren reported on an IADC initiative to review the functioning of IADC Committees. After attending meetings of most IADC Committees and interviewing Committee Chairs and IADC staff liaisons, Mr. Warren reported to IADC President Steven Colville his findings. He concluded that most Committees are serving their prescribed mission and are functioning well. He recommended removal of one committee, the Jack-up Committee, and formation of 3 new committees. New Committees proposed were Onshore Operations, Offshore Operations, and Supply Chain Management. Recommendations were submitted to the IADC Executive Committee for authorization to implement changes, with authorization given at the November meeting of the Executive Committee.</p> <p>The recommendations for the Well Control Committee will be discussed with Committee Chairman Dan Munoz and staff liaison Brenda Kelly prior to the next meeting of the Committee.</p> <p>In reporting other IADC news, Brenda Kelly explained the reorganization of the Operations and Accreditation Group led by Steve Kropla. The parent group is now called Operational Integrity Group. Reorganization with the Group included: 1. The renaming of the Accreditation and Certification Department to the Accreditation and Credentialing Department; and 2. Separation of the quality control function from the Accreditation and Credentialing Department to form a new separate organization within the Operational Integrity Group. Elfriede Neidert heads the new Quality Control unit.</p> <p>Sixty-three Corrective Actions were issued to training providers not complying with the new Bulletin 12-03 Increase in Simulator Time requirement. Of these, 22 providers had their WellCAP programs suspended, 2 voluntarily closed their programs, and 7 providers had their accreditation revoked.</p>

	<p>Due to Benny Mason's change in position, he is no longer eligible to serve on the WellCAP Review Panel. A new Review Panel member is needed to represent the operator community. Mr. Mason nominated Deepak Gala, Shell. Mr. Gala expressed his willingness to serve on the Panel. There were no other nominations. The vote was unanimously in favor of Mr. Gala for the WellCAP Review Panel.</p>
<p>11:45 – 12:00</p>	<p>Open Discussion/Next Meeting 20 February 2013</p> <p>There was a suggestion that an IADC Master class be considered for providing training for WellCAP instructors.</p> <p>Instructor 2-year recertification timeframe was challenged, with a suggestion that a 5-year recertification be considered. Other members countered that this would be a step backwards, lowering the WellCAP program quality and integrity.</p> <p><u>Action items for next meeting</u></p> <ol style="list-style-type: none"> 1. Formulate "Gas in Riser" Workgroup recommendations 2. Finalize Bullheading Killsheet and place final version on the IADC website for public access. (Brenda Kelly) 3. Identify currently accredited snubbing training providers, and create a distribution list for those training providers. (Brenda Kelly) 4. Communicate interpretation of minimum simulation time to WellCAP providers. (Brenda Kelly) 5. Make recommendations for simulator activities; submit to Simulator Subcommittee (Curriculum Subcommittee) 6. Identify industry groups, organizations for which Well Control Committee wants to monitor activity (Committee leadership) 7. Designate Committee members to track organizations identified in #6 (Committee Chairman) 8. Revise the organization chart to correctly reflect the relationships among the Advisory Panel, the Committee, and IADC staff <p>A special acknowledgement and thank you were given to the 2012 meeting hosts and sponsors:</p> <ul style="list-style-type: none"> • Chevron • ExxonMobil • Rowan • Wild Well Control
<p>12:00</p>	<p>Adjournment</p> <p>Lunch was provided by ExxonMobil.</p>

Attendance:

Name		Company Name
H. Gene	Wilson	Aberdeen Drilling Schools
Smarty	John	American Bureau of Shipping (ABS)
Ron	Bohuslavicky	Boots & Coots
Mark	Mazzella	BP
Melissa	Bascle	Check-6

Matt	Mato	Check-6
Wesley	Lyons	Chesapeake Oilfield Services
Gary	Nance	Chevron
Scott	Schafer	Chevron
Jim	Stark	Chevron
Ambar	Acevedo	Chevron
David	Chavez	CS Inc.
A.J.	Guiteau	Diamond Offshore
Petar	Radulovic	Diamond Offshore
Shawn	Geissler	Drilling Systems (UK) Ltd
Jerry	Limes	ExxonMobil Development Company
Alexey	Zernov	ExxonMobil Development Company
LeDale	Dassinger	Gulf Coast Training Technologies
Brenda	Kelly	IADC
Julia	Swindle	IADC
Marlene	Diaz	IADC
Brooke	Comeaux	IADC
Steve	Kropla	IADC
Gil	Gayaut	Nabors Well Services
Chris	Nelson	Newfield Exploration Company
Benny	Mason	Rig QA
Paul	Sonnemann	Safekick
Chewy	Redding	Salvex Inc.
Bill	King	Scomi Group/Scomi Oiltools
Deepak	Gala	Shell International E&P
Chris	McGehee	Transocean
Dan	Munoz	Transocean
Brian	Grayson	Weatherford
Guy	Feasey	Weatherford
Dawn	Brown	Well Control School
David	Egbert	Well Control School
Ed	Geissler	Well Control School
Glenn	Shurtz	Wild Well Control
Rich	DeBuys	Wild Well Control