

Educational Subcommittee meeting

Mission: Really an advisory, awareness committee

- We don't run schools
- We do run ATWs
 - Hits and Misses:
 - Inverness
 - Denver
 - Istanbul
 - Updated Hits and Misses in Galveston:
 - John de Wardt and John Wright as chairs
 - One day workshop
 - Link potential errors in subsurface surveying, and potential errors in wellbore surveying, and link to reserves
 - Daniel DiLuzio
 - Chairs the SPE Reserves Committee
 - Sits on EGRC – Expert
 - Will be talking at the ATW
- We are the editorial management for the Wellbore Positioning eBook
 - Angus Jamieson is the lead author
 - Professor at the University of Highlands and Islands (UHI)
 - UHI allows free downloads of the book
 - End of last year we agreed to fund the expansion of the eBook
 - We granted \$30,000 towards sponsoring the UHI course
 - UK government posted a matching \$30,000
 - As such we are expanding 9 chapters
 - Angus managing that; volunteers welcome
 - UHI has broken out the wellbore surveying portion as a stand-alone course
 - Can be done entirely online
 - Will receive a professional certificate for the successful completion
 - Course content:
 - We are course advisors
 - Need volunteers

Future:

- Workshops in November
 - SPREAD THE WORD!!
 - Great value
 - It has been oversubscribed, and highly ranked
- Istanbul:
 - Intent was to attract attention from Middle East
 - But most came from Europe
- Steve talking to an SPE woman who works in the Middle East

- She has promised to get Steve connected the person in the Middle East office who runs ATWs there
- Earliest would be end 2016 or beginning 2017
- What else should we be doing?
 - Within your organizations, what do you see as the needs
 - Lots of people don't know how to go about it
 - Don't know who to contact
 - Is the ISCWSA well known?
 - Probably not as well as it should be
 - Could put more information in the eBook on the ISCWSA
 - How many of the DD companies use the ISCWSA models?
 - Most know about the models, but probably not beyond that much
 - One issue is the website
 - That there are two of them:
 - lscwsa.org
 - lscwsa.net
 - Also needs to be more external facing, rather than just adding the minutes (although that's important too)
 - Could advertise in the SPE journal?
 - Who's the audience?
 - Do you use downhole data?
 - Are you a geologist, petroleum engineer, directional driller?
 - You need to know about the ISCWSA
 - Sell the eBook in the SPE store
 - Could put cards in the SPE that indicates the store
 - With a nice printed version, indicating that you can get it for FREE
 - How are we getting more people at the meeting?
 - Operators starting to realize that QA / QC is important
 - More service companies are giving out the information
 - Ed Stockhausen
 - 1' TVD = 100,000 barrels
 - Taking surveys every single rather than every stand would cost \$58k, but the increased barrels would pay for it
 - But they don't, b/c they don't see the future value
 - Advertise at other places
 - SPE yes, but also
 - OTC
 - IADC
 - Etc.
 - Other LinkedIn sites
 - Classes/Workshop:
 - Could do 1-day Hits/Misses class prior
 - 1-day survey awareness course

- Make folks aware of the website and the ISCWSA's work, and why these things are important
- Website:
 - 20,000 downloads of the eBook
- Success stories in the JPT
 - Increased well production by using these techniques
 - Need more audience focused rather than strictly technical
- Look at working with SPWLA as well
- Need to have educational information right up front in the website
 - Link right out in front
 - Needs an introduction of why this is important
 - Have what a good survey programme would be for the three test wells
 - Here are the three most common mistakes
 - Would have to generate guidelines, since we can't distribute the SPE papers
- Volunteer to take charge of the educational section of the website
 - David has some experience; he may be able to look at how to cut costs
 - Has had some recent quotes about \$1500
 - Peak of traffic just before the SPE, then drops off after
 - Phil's always asking about content and is willing to put it up
 - Need a group that will figure out should be up there
 - Front page: something other than the next meeting
 - Under documents: eBook should be higher up
 - Put Education should be a top tab
 - Suggest
 - David volunteered to add content
 - Add the slides to presentations
 - Link to the LinkedIn
 - Subcommittee:
 - David – focal point for updating the content
 - Angus
 - Carol
 - Patrick
- One hour webinar on survey management
 - 1,5 hour video on the UHI website
 - Probably want a ½ hour one that would be more punchy
 - Or shorter 3-6 minute videos, on specific topics – commercial edited out

Angus Jamieson, UHI

- Will give a 30-minute talk tomorrow at the general meeting
- History:
 - When asked to do the eBook, we thought only about 300 people would download it
 - But within months, 5000 people downloaded it
 - Up to 20,000 downloads

- Went to the University about needing a maritime surveying, after having talked to / Feugro
- Thought about a master's degree course
 - 6 modules
 - Mapping/Geodesy (Steve Grindrod)
 - Mathematics (Simon McCulloch or Andrew MacGregor)
 - Principles of Surveying
 - Three practical modules
 - Wellbore surveying
 - Maritime (surface and underwater)
 - Land surveying
 - Looked like \$20-\$30k/year per student
 - Not easy to get students in the down term
 - Low-hanging fruit: the online wellbore surveying
 - Lots of feedback about needing this from the oil companies and service companies
 - Not a degree, but a certificate
- Would people be willing to go through material like a student would go through it and give feed back
 - Video lectures are about ½ hour long
 - Give quick feedback
 - Take the pamphlet and offer services directly on particular subjects to Angus at:
 - Angus.jamieson@uhi.ac.uk
- 100 hour online study over 8 weeks
 - Will have chat rooms and online videos
 - About 12 hours of study per week (includes background reading, exercises, and videos)
 - Can go through the material at their own pace
 - Will have some face-to-face materials
 - But it will be ok, if they're behind
 - Cost is \$3,000/student
 - For large companies that have their own experts:
 - Lead expert does the class
 - Then that person deals with the in-house folks
 - Therefore can cut cost to them (e.g., not \$3k/person when it's for 5000 students)
 - Some concern about a full-time surveyor having 12 hours per week to study
 - Angus suggests that the 12 hours may be generous
 - There are also two levels
 - Fundamentals of Wellbore Surveying
 - Advanced Wellbore Surveying
 - Two exams
 - So they can do one or both (\$3000 in either case)