

Shale Gas Tight Oil Water Management

Cost-Reduction Training Week

American Business Conferences



Laura Capper
Founder & President
CAP RESOURCES

Why do you think now more than ever, water management training should be a priority within shale operations?

LC Industry downturns have classic associated behaviors. When the industry is “up” we tend to move so quickly - making hay while the sun shines - we often don’t work optimally. It takes a downturn to really force us to get our act together. With droughts and shortages and enormous local community concerns about water, we really don’t have any choice but to use as little water as possible, and part of that means re-using and recycling as inexpensively as possible. There is a lot to learn to do it right.

a way to challenge your perspective against the best practices of your peers. This training provides a way to accelerate your current understanding given dynamic market conditions thus enhancing cost savings within your organization.

What has been your number one objective or should I say, your number one priority when designing the content of these courses?

LC Basically how to convey as much as we possibly can – in a method that can be absorbed and put to work. Trying to move away from theory and share what we have learned from folk’s actual field experience. It’s like anything else, you can study and research all



“
It takes a downturn to really force us to get our act together. With droughts and shortages and enormous local community concerns about water, we really don’t have any choice but to use as little water as possible... There is a lot to learn to do it right
”

you want, but where you learn the most if from people who have actually done the work. Our materials reflect everything we have learned first hand, and everything we have picked up from a lot of experienced water management experts over many years. We’ve collectively been on a long learning curve

JW To provide continuity in the material as the concepts are interrelated. We’ve tried to provide content on the tree and where the tree is in the forest.



What do you think will be the key takeaways from each course?

LC Mainly that there are a lot of facets to water management that must be considered, and no one aspect can be treated as a silo, they all have upstream and downstream implications. If you are going to implement a cost-effective and environmentally sounds water management system, you need to understand not only the big picture, but every aspect of the underlying components, including sourcing, frac quality, storage, transportation, chemical interactions, regulations, etc.

There are lots of tradeoffs in any optimization decision that need to be considered. We’ve tried to identify the variables and give some weight to the value of those



Who would you say would benefit most from the content of these courses?

variables with respect to business objectives.

LC Certainly the most benefit will be for those directly involved with drilling and completions and fluids management, but anyone even remotely touching

in these areas can get an understanding of the complexity for more competency in their daily work. Examples of folks who are removed from the direct process, but would still greatly benefit, also include HSEQ personnel, folks involved in compliance, marketing, community outreach, planning, field automation and operations, etc. Water consumption and use has far-reaching impacts on many oil and gas operations – well outside of the field as well.

JW Anyone who is involved with oil and gas water management, as water is a significant cost component in the completion

process and ongoing production. Water management is a different language. These courses will provide content to enhance your water management

understanding as it relates to cost management.

What should potential attendees most look forward to?

LC Probably the general discussions amongst both classmates and trainers, and the opportunity to build relationships in industry that you may be able to tap into in the future. Given that every basin is so different, it’s good to have a broad network of contacts who may be able to lend varying perspectives and experiences.

“
Our materials reflect everything we have learned first hand, and everything we have picked up from a lot of experienced water management experts over many years. We’ve collectively been on a long learning curve
”

JW Come with an open mind and challenge your understanding with industry peers. On your return, be ready to implement cost savings initiatives proportional to your participation.



James P. Welch
President
WELCH WATER CONSULTING LLC

JW Water management is constantly changing including sourcing alternatives, logistics optimization, water treatment standards and capabilities, the regulatory environment, and disposition. It’s a full time job to keep up with these issues and trends. Training provides