CHALLENGES AND ADVANCEMENTS IN PRODUCED WATER REUSE AND RECYCLING

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Abstract:
This presentation will introduce the concept of water efficiency of unconventional natural gas and oil compared to other energy resources using the most up-to-date operational data for unconventional natural gas and oil development. This will lead into the core of the presentation which will focus on produced water reuse and recycling and an operator’s (Chesapeake Energy) experience in the processes during the development of unconventional natural gas and oil. These experiences will be used to discuss the unique challenges and opportunities for recycling and reuse in each of the unconventional plays based on produced water volume and water quality. Finally, the presentation will cover the current status of Chesapeake’s produced water reuse and recycling initiatives in all of our major operating areas.

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