

**BENEFICIAL USE OF PRODUCED WATER - SELLING THIS VALUABLE ASSET:  
A CASE STUDY OF PROJECTS IN COLORADO AND WYOMING**

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This paper will discuss our combined experience in the beneficial use of produced water and the actual selling of this produced water as an asset. Produced water is becoming an issue in the E&P industry and is a significant constraint on energy production. We have designed and operated the first treatment plant for an oil field to sell produced water as a by-product of the oil field E&P operation. We are also working on several coal bed methane projects as well in the development of treating and discharging produced water as a valuable by-product of the operation. Stewart Environmental and Kennedy/Jenks have formed a new company, Produced Water Development, LLC which is currently designing, building, owning, and operating these treatment facilities and selling the produced water to water resource agencies. This paper will discuss the process on how produced water can become a valuable by-product of an E&P operation. This involves understanding the various water laws of each state, the treatment process of the produced water for both oil and CBM waters and the associated environmental constraints on this process. We will update previous presentations on the progress made in other projects and how this is becoming a significant contribution to the energy industry.

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