

Brine Chemistry

Knowledge of Produced Water Chemistry is Critical to Hydraulic Fracturing Chemical Selection



Figure Gas well water pond

Determining the composition of the recycled produced water is key to the selection of hydraulic fracturing chemical additives. Elevated concentrations of total dissolved solids, divalent cations, and iron impede the performance of many friction reducers and scale inhibitors. Chemicals that are brine tolerant provide superior performance albeit, at higher cost. RJ Lee Group produced water chemistry results provide the information necessary for clients to select high performance, cost-effective chemicals.

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