

Determining the operational window of green antiscalants: a case study for calcium sulfate

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Abstract-

The scale inhibitors. Increasing antiscalants. Testing of suitable candidates is often the rate-limiting step in development cycles, therefore we developed a high-throughput methodology to rapidly evaluate the antiscalant potential of new additives under different application conditions. Using this method we determined the performance of two potential green additives – a supersaturations, temperatures and

Index Terms- Antiscaling; Chelating agents; Threshold inhibitors; Nucleation induction times; Calcium sulfate; Polycarboxylates

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