2021 ALRDC International Gas Lift Workshop  
Virtual Event, June 7-11

**Electric Gas Lift Valve Flow Loop Testing  
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**A novel electric gas lift valve was tested in a liquid flow loop to establish its performance characteristics, better define its operational envelope, and identify potential design improvements. A custom skid was fabricated that could be used to simulate gas lift unloading operations for unconventional wells. Various tests were conducted for valve characterization (flow, power, leakage) and evaluation of erosion resistance. This presentation will describe the advantages/drawbacks of the tested system as an alternative to conventional gas lift, the experimental facility, the insight gained through testing, and some of the upgrades being considered/implemented to improve the valve system’s performance.**