

Title: Integrated Surveillance System for Gas Lift

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In this presentation, the authors will provide an overview of an integrated surveillance system that was developed by an operator to manage a large population of onshore gas lift wells in North America. This system provides the ability to identify underperforming wells, perform detailed analysis using multiple nodal analysis platforms, manage equipment data, perform root cause failure analysis, and capture a variety of forms of operational data needed for the effective management of gas lift wells. The authors will also discuss development of the data model used to support the system, deployment challenges and the integration of the system in Oxy's day-to-day operations.