

## **Wellbore Management Essential to Economic Success**

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What is Wellbore Management? It is the management of an operator's wellbore to maximize optimization of artificial lift by reducing well failures. The wellbore is the number one asset of an oil and gas operator. It is the straw for recovery through which production and recovery of reserves occurs. It is also where most of the lifting costs occur for an operator, sometimes 80-90% of the operating costs. When we have excess lifting costs and excess production downtime the economics of wells diminish to the point of shutting in or plugging the wellbores.

Successful wellbore management programs exist and they all have some common infrastructure and methodology, that develops "best practices of applied technology" to reduce well failures.

This presentation will discuss the successful wellbore management programs of different oil and gas operator's in the Permian Basin and the subsequent developed "best practices of applied technology" that has had significant effect on reducing the wellbore failures. The programs discussed cover both carbonate and sandstone reservoirs with moderate to high produced water rates. Results of an artificial lift consortium on well failures of 25,000 wells will also be presented.