

A Novel Method for De-Watering Low Pressure Gas Wells

Warren Sharp
Northern Pressure Systems Inc.

Northern Pressure Systems Inc. has recently developed and patented a novel method to economically remove small amounts of liquids from gas wells after they reach the point where other technologies such as Plunger Lift, Foaming Agents, and Siphon Tubes are no longer effective.

The technology employs a mobile truck-mounted compressor system, used in conjunction with a down-hole check valve which traps liquids in the wellbore area and blows them to surface using flowline gas. The check valve prevents liquids from being pushed back into the formation during blow-downs. It is a completely closed system with no outside gases or liquids being introduced into the well or lost to the outside environment.

This presentation will be given from the perspective of a shallow gas producer. The results of recent field trials will be described and a brief overview of the technology itself will be provided. The presentation will also describe how to select candidate wells that are likely to respond to these treatments.