

Convert to Rod Lift Sooner – Long Stroke Pumping Units

Liberty Lift Solutions

Author: Spencer Evans

Co/Author: Joe Calhoun

A typical artificial lift strategy for an unconventional reservoir is to initially run ESPs to produce 5000 bfpd to 500 bfpd, then convert to rod lift. Many times, this takes 3-5 ESP interventions for a producer to get to the “rod lift rate ranges”.

With the use of mechanical long stroke units having stroke lengths of 306 – 416 inches, converting to rod lift is being done sooner. Rates of 700-900 bfpd are being achieved in wells as deep as 10000 feet. This helps to eliminate running multiple ESPs to draw down a well into the 400-500 bfpd range.

This presentation will cover case studies and real results about the mentioned wells. It will also cover the technologies being utilized such as pumping unit selection, BHA configurations, pump configurations, rod designs, and optimization with VSD Zone Control.