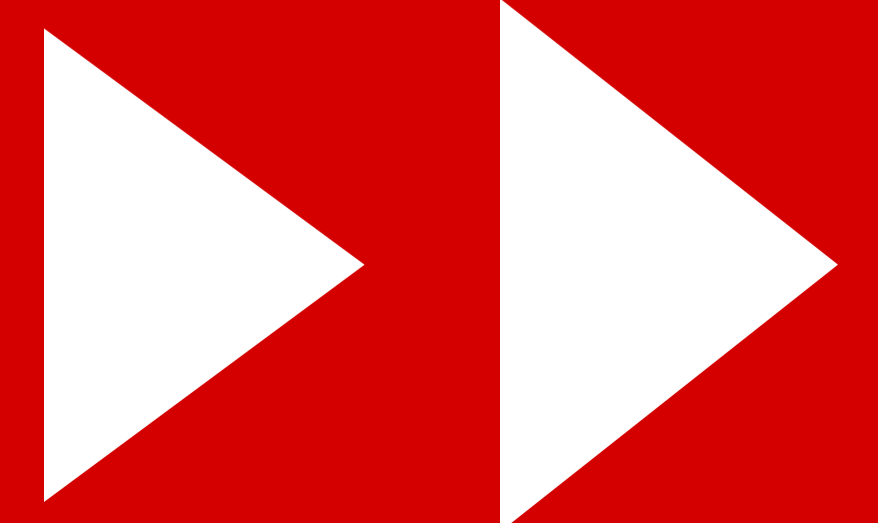




*Gas separation
using
OSI Packer
Type Gas
Separator*

Case Study

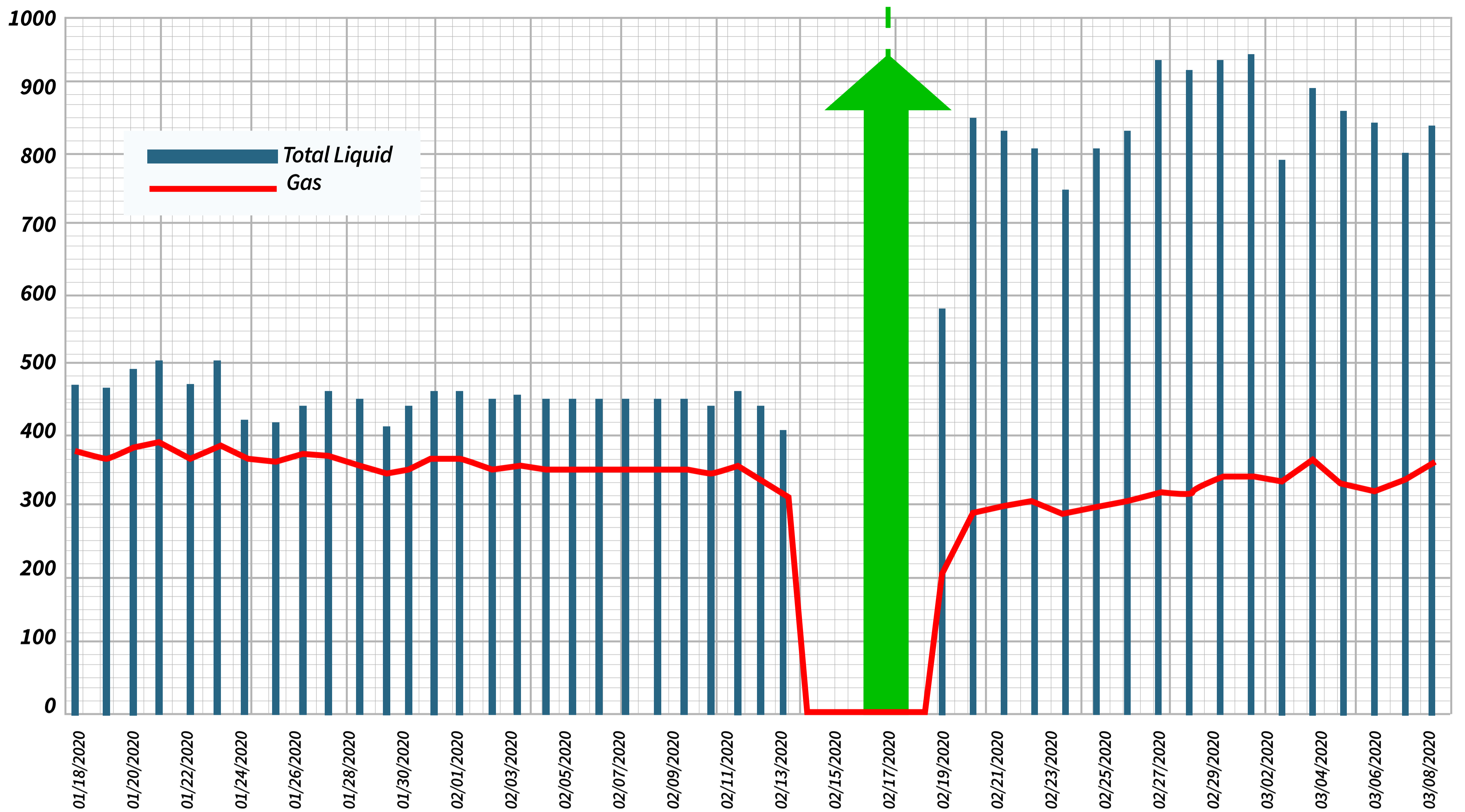


www.odessaseparator.com

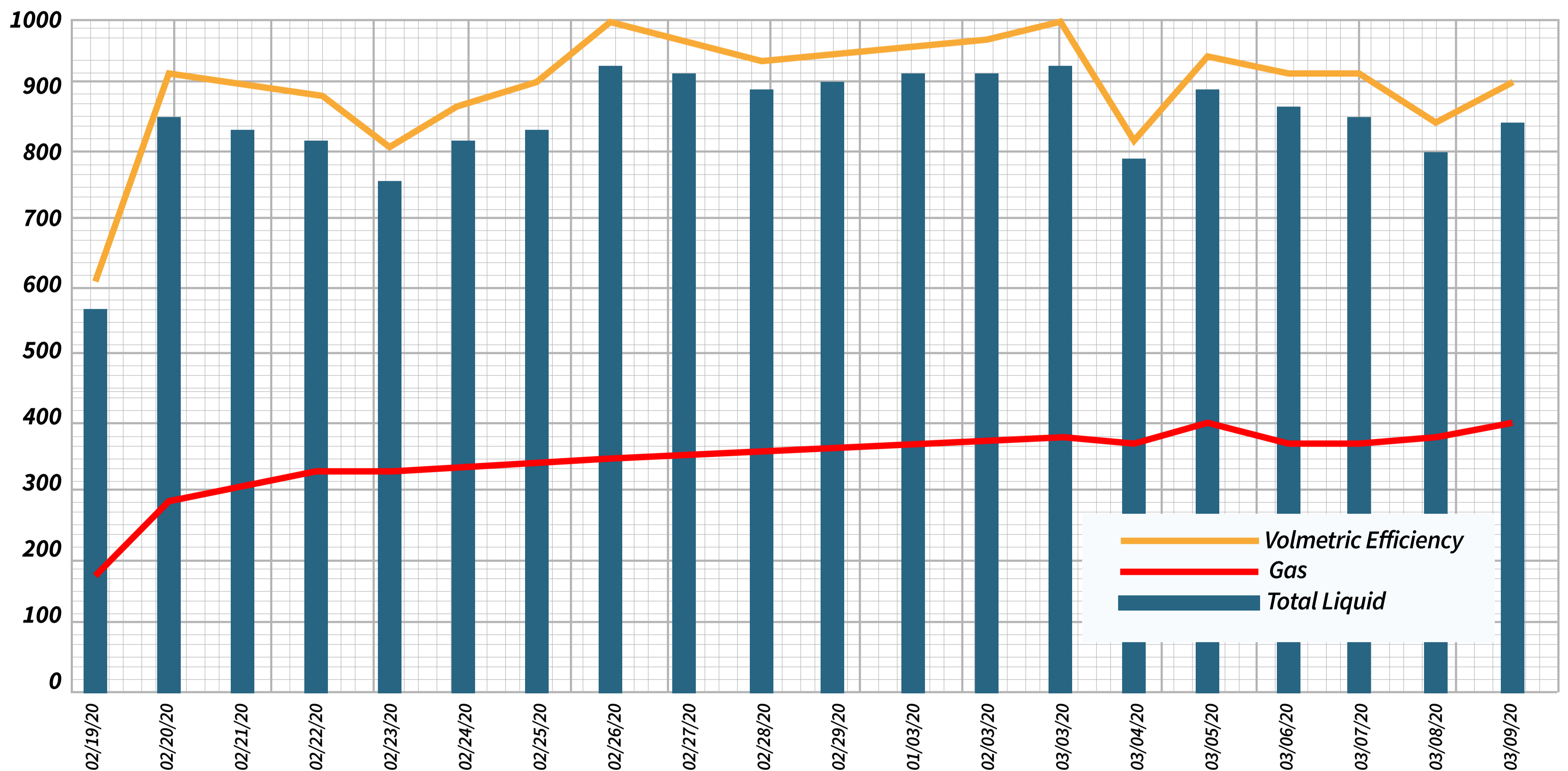
PRODUCTION GRAPHIC

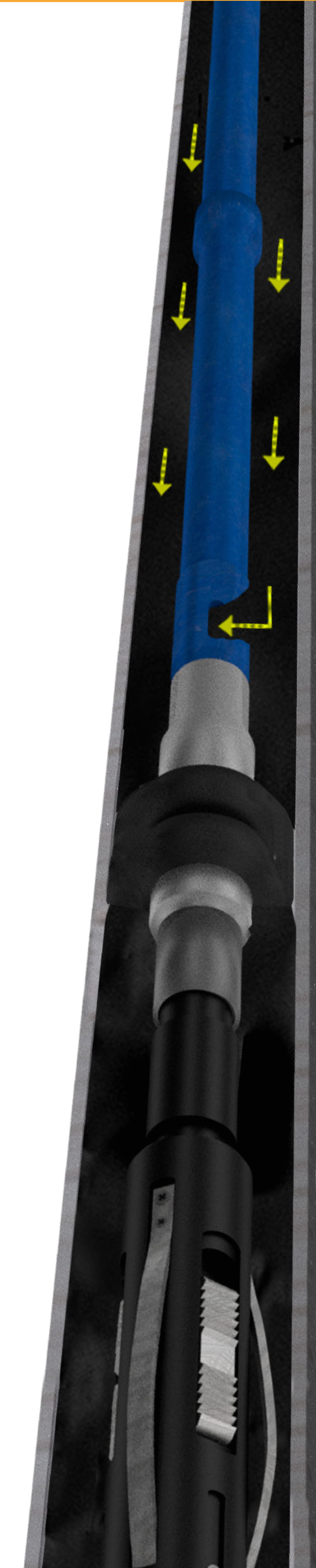
Before OSI Installation on an ESP

After OSI Installation on SRP



Pump Volumetric Efficiency





- The well was converted from ESP to rod pump due to low production efficiency for gas interference in the ESP. After the conversion, maintaining the gas production, the liquid production was almost duplicated (44% increase) passing from 460 bbl/d to around 900 bbl/d.

- The volumetric efficiency of the rod pump was oscillating between 85% and 99%, which means the separation efficiency of the packer type gas separator optimized the pump operation, achieving on this way its maximum potential.

- The oil production increased as well from highest oil produced being 100 BOPD to 144 BOPD after the conversion

- Overall, the well production increased along its oil production capacity indicating efficient gas separation system



Wellbore Diagram

