



**Runtime >  
800 Days**

# Exceeding Historical Performance in a CSG Well

## CHALLENGE

A leading Australian operator wanted to enhance the performance of a well that was operating with a Mean Time Before Failure (MTBF) of 562 days.

Our team was engaged to provide a solution engineered for superior performance.

## SOLUTION

The LS PC Pump Model 30-1200 with an M1 elastomer was selected for its durability, reduced wear capability, and longer runtimes in CSG applications.

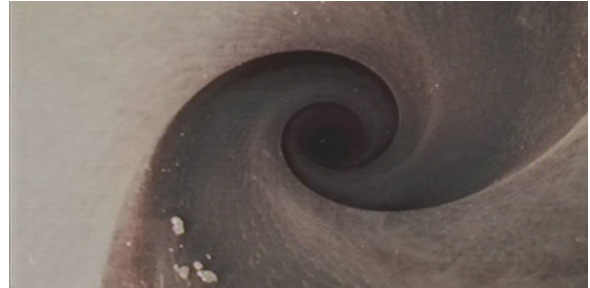
## PERFORMANCE

Initially, the PC Pump speed was running above 100 rpm before stabilizing at a lower speed, delivering downhole volumetric efficiency greater than 50%. The outcome was an 843-day runtime, exceeding the well's MTBF of 526 days.

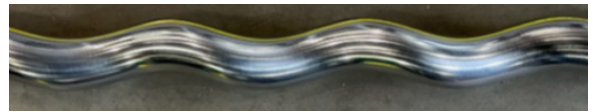
After pulling the pump due to a hole in the tubing and conducting an inspection, the findings were:

- The rotor and stator remained in excellent condition with minimal wear, clearly shown in the inspection photos.
- There was no change in elastomer hardness.
- When performance tested, the measured volumetric efficiency was 29% at rated pressure, compared to 24% when the pump was new, demonstrating minimal change after 843 days.

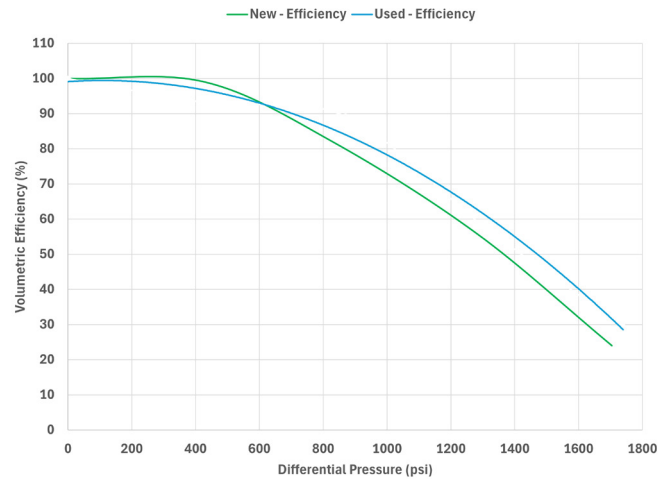
### INSPECTION PHOTOS



The Boroscope photo shows the intact snakeskin pattern as new, proving minimal wear occurred.



Minimal wear shown on the rotor.



Working closely with the client, our team delivered a robust PCP solution that improved runtime and exceeded the well's MTBF beyond historical performance.