

# Exceeding MTBF in Challenging CSG Wells

## CHALLENGE

Operating in coal seam gas (CSG) fields in Australia creates many challenges. Our client relied on PCPs to dewater wells prior to transitioning to foam lift, which is an operation where uptime is critical and premature failures can quickly drive-up costs.

Across the field, the operator experienced a range of challenges, including holes in tubing, parted rods, blocked intakes, and pump wear. With pump landing depths of an average 650 mMD (450 mTVD) in highly deviated wells averaging 86° inclination, reliability was continually tested.

While the client had experience with other PCP providers, they were looking for a solution that could deliver longer runtimes and consistent performance in these demanding conditions.

## SOLUTION

Acting as a trusted partner, our team worked closely with the client to understand their preferred production rates, operating conditions, and long term field objectives. Leveraging this insight, we developed a deployment strategy to evaluate our PC Pump performance across multiple wells to ensure the solution was tested in real-world conditions.

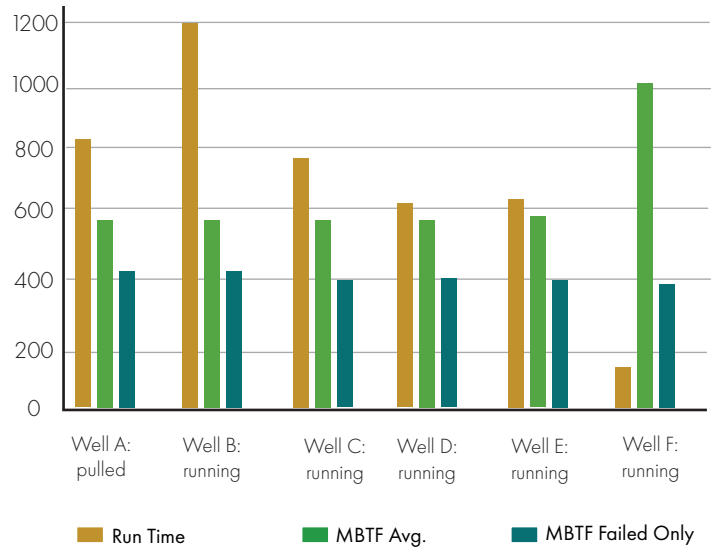
Based on the client's application needs, the LS PC Pumps were installed across the field. These included models 10-900, 15-1200, 30-1200, 54-1200, and 120-900, all equipped with the LS medium nitrile MN1 elastomer, selected for durability and performance in CSG environments.

## PERFORMANCE

At the time of publication, five of the six PC Pumps had exceeded the well's average meantime before failure (MTBF), a clear indicator of improved reliability and performance compared to historical benchmarks.

As shown in the performance data, the runtimes consistently meet or outperform both the well's average MTBF and the MTBF associated with failed pumps, proving their ability to withstand challenging downhole conditions while maximizing uptime.

### METRICS



By working together, aligning goals, and optimizing PCP configurations, our pumps enabled the operator to cut unplanned shutdowns, lower workover costs, and extend well production.

When reliability matters in demanding CSG wells, LS pumps deliver proven performance helping operators stay online, stay efficient, and stay ahead.