

PRIMERA premium artificial lift service delivered high reliability to business-critical applications, eliminating premature failures and doubling run life in subsea field

CHALLENGES

- Offshore, subsea field with heavy oil, corrosive fluid conditions, and high intervention costs
- Performance of six critical wells crucial to life of entire field
- Aggressive fluid conditions required constant chemical injection of H₂S remover, scale inhibitors, and emulsion breakers
- Subpar reservoir productivity, with ESP system operating out of recommended range

SOLUTION

- [PRIMERA™ premium artificial lift service](#) was recommended for its elevated manufacturing and inspection processes, delivering the most reliable, highest quality ESP system, including:
 - 100 percent dimensional inspection of critical parts by PRIMERA-certified assemblers and technicians
 - Positive material identification to ensure required special metallurgy
 - Impellers and rotor mapping to guarantee lower vibration level on ESP system
 - Enhanced systems testing in state-of-the-art Artificial Lift Research and Technology Center
 - Concierge, door-to-door, white-glove service

RESULTS

Zero
Premature failures

8.85 years
Direct mean time to failure (MTTF)

2x run life
Vs. similar, adjacent field



The Artificial Lift Research and Technology Center in Claremore, Oklahoma, USA features six vertical test wells, and offers enhanced, state-of-the-art system performance testing.



Certified assemblers and technicians perform inspections during all phases of the ESP lifecycle to reduce future downtime and intervention.

“We are proud to partner with our customers hand-in-hand on continuous improvement for unprecedented system reliability.”

– Tyler Shirk
PRIMERA Business Leader, Baker Hughes