



Overcoming High Free Gas Challenges: How Lifting Solutions' TaperAL™ Technology Delivered Reliable Performance and Exceeded Client Expectations

**OPERATED
FOR 575
DAYS!**

CHALLENGE



Our client manages hundreds of wells within a major coalbed methane reservoir in India. In a portion of wells, high free-gas production is encountered challenging conventional PC Pump usage leading to elastomer damage and short run lives, resulting from uneven pump pressure distribution.

Consequently, the client was seeking reliable technologies that can improve pressure regulation in PC Pumps to extend pump service life and reduce the frequency of workovers.

SOLUTION



Lifting Solutions introduced TaperAL™ pump technology, specifically engineered to better handle high gas-volume fractions being producing through the pump. To ensure success, specialized product-scale testing simulating client's downhole conditions was conducted at Lifting Solutions R&D facility in Canada.

The TaperAL™ pump demonstrated superior pressure regulation compared to a standard pump, proving it was the right solution for their new horizontal well completion in a high gas-producing well.

PERFORMANCE

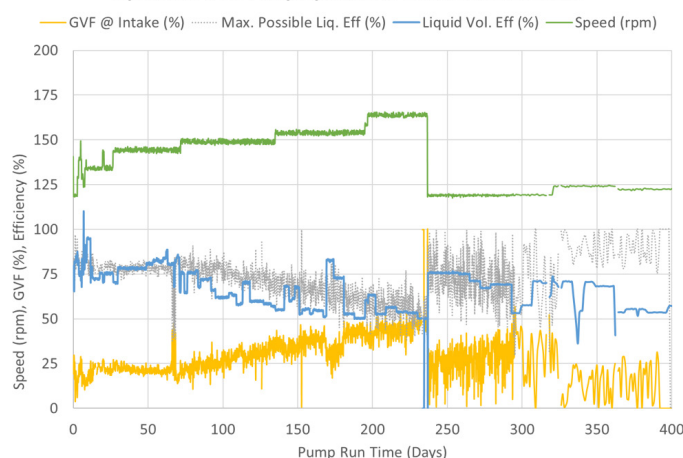


Running from October 2024 to June 2026, the TaperAL 85-1250 pump has far-exceeded expectations:

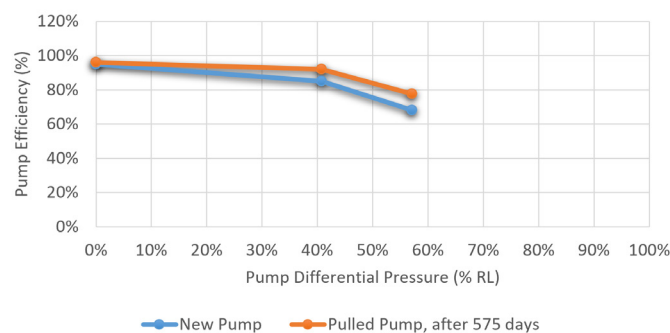
- 575 days of continuous operation
- Reliability Redefined: Surpassed the client's 365-day target, significantly reducing workover frequency and lifting costs
- Superior Efficiency: Maintained maximum possible liquid volumetric efficiency, even with gas levels exceeding 35% at the intake.
- Pulled pump was in excellent condition, with the bench test showing identical efficiency

METRICS

TaperAL 85-1250 Pump Operational Data in India CSG Well



TaperAL 85-1250 | New vs. Pulled Pump Test Bench Results [300 rpm/50°C]



By aligning the client's toughest production challenge with technology built for high free-gas conditions, Lifting Solutions delivered more than improved performance. The TaperAL™ PC Pump restored reliability, extended run life, and proved that even complex wells can operate with confidence when the right solution is in place. For operators seeking measurable gains and long-term value, this success story shows how TaperAL™ technology consistently rises to the challenge.