

/ ABSMART SERVICES · BOOSTFLOW™ MULTIPHASE PUMPING

Multiphase surface boosting sustains production from a declining gas condensate well

01 · SUMMARY

BoostFlow™ multiphase pumping enabled a gas condensate well that could not sustain natural flow to overcome gathering-system back-pressure and achieve stable production.

02 · OBJECTIVE

A gas condensate well experienced declining reservoir pressure and increasing water production. Although the well could initially be unloaded, it was unable to sustain natural flow and repeatedly died after short production periods. High flowline pressure in the surface gathering system exceeded the well's available wellhead pressure, preventing stable production and forcing repeated shutdowns. The operator required a practical solution capable of lowering wellhead pressure and sustaining production without modifying surface facilities or performing complex downhole interventions and workover operations.

03 · SOLUTION

AB Smart Services deployed the BoostFlow™ multiphase pumping package, a surface-based system designed to reduce wellhead pressure and transfer multiphase fluids directly to the production line. The unit was rapidly mobilised and connected to the wellhead, enabling continuous boosting of the produced gas, condensate and water mixture.

By providing additional pressure drawdown at the wellhead, BoostFlow reduced wellhead pressure below the flowline pressure, allowing the well to overcome gathering-system back-pressure and operate under improved flowing conditions. The deployment restored stable production, improved well uptime and delivered immediate production gains without complex interventions.



FIG. 01 · BOOSTFLOW™ MULTIPHASE PUMPING SOLUTION AT THE WELLSITE

04 · RESULTS

The BoostFlow deployment successfully restored and sustained production from the gas condensate well. Key outcomes included:

200 psi

Wellhead pressure held below flowline pressure

0

Repeated well shutdowns

0

Downhole interventions or workovers

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Continuous surface boosting

- Wellhead pressure reduced up to 200 psi below flowline pressure
- Stable production achieved from a well that previously could not sustain flow
- Elimination of repeated well shutdowns
- Rapid deployment without downhole intervention

FIG. 02 · LIQUID AND GAS RATES – UNLOADING AND CONTINUOUS BOOSTING

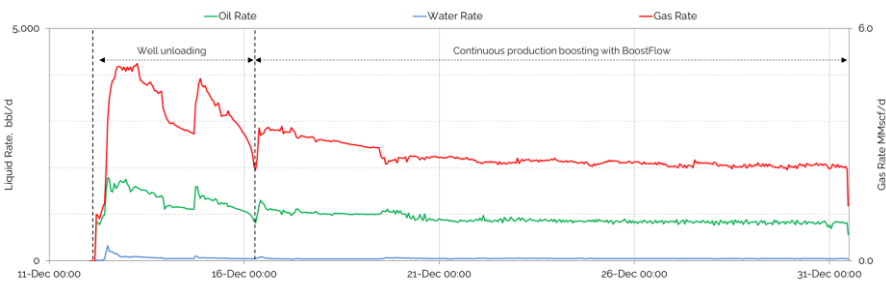
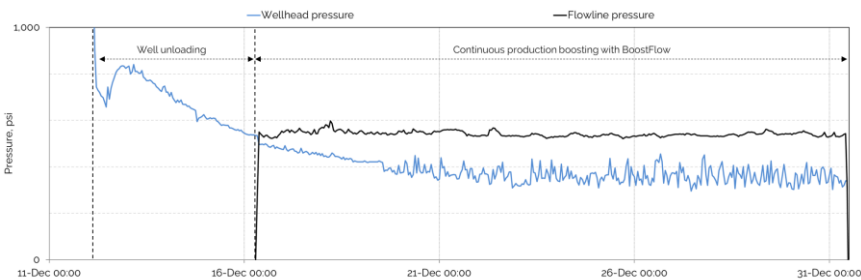


FIG. 03 · WELLHEAD AND FLOWLINE PRESSURE



05 · SUMMARY

BoostFlow™ provides a fast and flexible surface-based solution for wells that cannot sustain natural flow due to high flowline back-pressure or declining reservoir pressure. The system can be rapidly mobilised and installed without complex well intervention, workover operations or major surface facility modifications.

By lowering wellhead pressure below flowline pressure, BoostFlow restores stable production, improves well uptime and delivers immediate production gains. Continuous surface boosting allows operators to sustain production from declining wells in a simple, efficient and cost-effective way.