

WELLCOM in action...

High-pressure gas boosts low-pressure well production

BP Inde Platform 49/23AT

Requirement:

To design and supply a gas boosting system for offshore gas production, to reduce backpressure for satellite platforms thereby increasing production, which would also de-bottleneck BP's main compression station, allowing it to run at a higher suction pressure.

(Running at 30 psi higher suction pressure could increase capacity of 23A's compression station by 160 mmscfd, allowing new fields to be brought online.)

Solution:



CALTEC designed and supplied the world's biggest jet pump yet nearly seven metres long and with 24-inch inlet and outlet lines. CALTEC employed a novel design process to provide a self-adjusting nozzle system to optimise motive gas usage for varying flow conditions and maximise the volume of export gas.

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The WELLCOM System is coping well with all operating conditions relating to the compressor and the LP wells, and at 12 p/therm for the additional gross production the system paid for itself within ten days!

Performance:

Ian Andrews,
Senior Production Engineer (SNS), BP Amoco, states:

Comments:

“BP and its Co-Venturers are extremely pleased with the jet pump, which has achieved all its stated aims and continues to perform above expectations, thus further helping us to maintain and increase production from the North Sea wherever possible.”

*WELLCOM is a registered Trade Mark.
WELLCOM is protected patents
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