# WELLCOM in action...

## *High-pressure well energy boosts low-pressure well production*

**PHILLIPS, Hewett Field, North Sea UK**
**(2 separate platforms)**

### Requirement:

To design two, gas boosting systems for a number of low-pressure wells utilising a number of high-pressure wells.

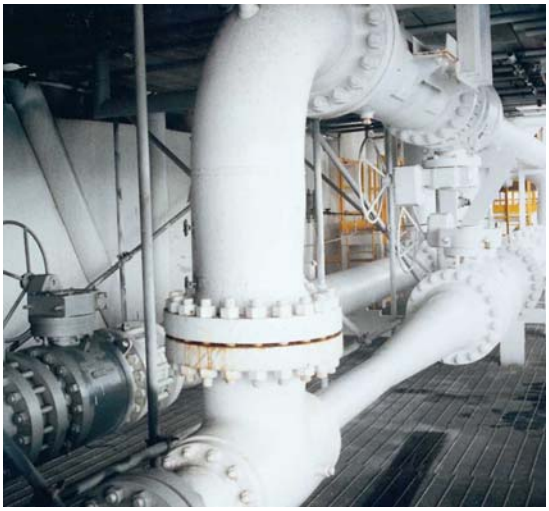
**Platform A:**

Eight low-pressure wells with a combined gas flow of 100 MMscf/d at 265 psi.
Motive energy for the boosting system was available from three high-pressure wells with a combined gas flow of 160 MMscf/d at 800 psi.

**Platform B:**

Five low-pressure wells with a combined gas flow of 36 MMscf/d at 180 psi.
Motive energy for the boosting system was available from six high-pressure wells with a combined gas flow of 70-80 MMscf/d at 400 psi.

### Solution:



*WELLCOM Gas system installed on Hewett*

# WELLCOM in action...

Two WELLCOM Gas systems were designed and installed comprising custom jet pumps tied into appropriate manifolds. Monitoring instrumentation was installed.

## Solution continued:

**PLATFORM A:** Gas flow increased to 125 MMscf/d at 235 psi representing a gain of 25% on total production.

## Performance:

**PLATFORM B:** Gas flow increased to 51 MMscf/d at 140 psi representing a gain of 41% on total production.

## Comments:

**Geoff M Tilling**
Exploitation Projects Director
Phillips Petroleum Company United Kingdom Limited

*"Phillips Petroleum company United Kingdom Limited has installed the CALTEC WELLCOM Gas-Gas ejector systems on two platforms in the Hewett field in the Southern sector of the North Sea. The units have proved very successful with increases in gas production ranging from 15-25 MMscf/d. In both cases a payback of only a few weeks was achieved. The equipment is easy to operate with no maintenance requirement."*



*For further information contact: sales@caltec.com*

**CALTEC Limited**
The Innovation Centre Cranfield Bedford MK43 0BT United Kingdom
Telephone: +44 (0)1234 756 056 Facsimile: +44 (0)1234 756 057
E-mail: sales@caltec.com
Web: www.caltec.com