

Preventing LP Back-Out

BP - UKCS – Offshore – Prolonged Field Life

Issue

- New HP wells would have backed out LP wells by increasing pipeline pressure

Solution

- Using high pressure gas from the well to power the Caltec Surface Jet Pump (SJP) enabled draw-in of the backed-out low pressure wells

Benefits

- Backpressure on the LP wells reduced by 5 bar giving extra 22 mmscfd of gas (production increased by 110%)
- Better use of already available energy with minimum modification to the existing piping
- Increased the producing life and stability of the LP wells
- Delivered the combined flow at the required higher downstream pressure

