

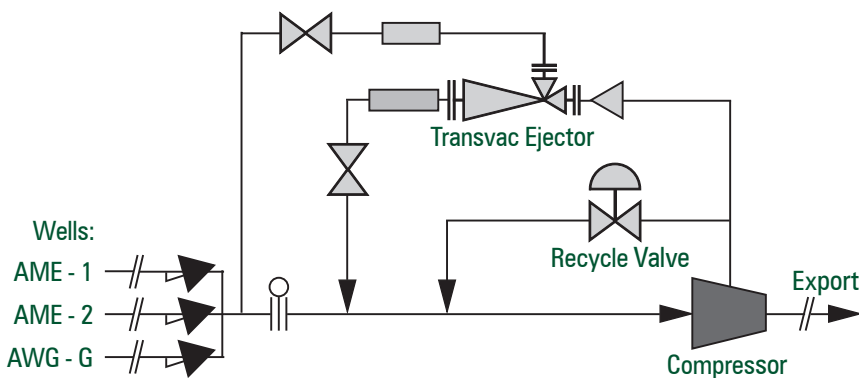
## Gas Ejector Boosts Production By 15% Using Waste Energy!

### Problem

Due to reducing gas production on the Ameland West Gat offshore facility the existing Compressor was being maintained within its operating envelope by employing a constant recycle. An increase in production was not possible without a 2nd compressor cum rewheel or the installation of Ejector technology.

### Solution

A patented Transvac Universal Design Ejector was installed in the recycle line of the existing Compressor to lower the Manifold pressure of the wells and thereby boost production.



Transvac Ejector being installed onto Rig

### Benefits

- Manifold pressure initially reduced by 20% leading to an increase in gas production of ~15%. (Production increase depends on well performance)
- The End of Field Life test (lower production and bigger Ejector internals) indicated a manifold pressure of 5 barg, lower than could be achieved by 2nd stage compression. i.e. More motive gas to drive Ejector = lower suction pressure.
- 10 min. capital saving against 2nd stage compression option
- Project acceleration of one year against 2nd stage compression option
- Ejector has no running costs as it utilises motive gas energy normally wasted across the Compressor recycle valve
- Ejector internals can be replaced easily to maximise production as well pressures decline
- Ejector requires no maintenance
- Ejector produces no emissions to atmosphere



Gas Ejector complete with Silencers installed on Rig