

## Gas Ejectors for the Oil & Gas Industry



**NAM, Holland**

Universal design Gas Ejector for restarting dead LP gas wells using energy from an HP well (production increase 0.9 MMscmd)



**Total, Holland**

Universal design Gas Ejector for boosting production of an LP gas well using energy from an HP well



**ConocoPhillips, Indonesia**

Gas Ejector for recovery of flare gas complete with motive gas control system



**NAM, Holland**

Gas Ejector installed in recycle line of existing Compressor, boosting production by 15%

### Typical Applications:

Gas Ejectors (Topside, FPSO or subsea)

- Boosting production of LP / marginal gas wells
- Minimising condensate loading
- Boosting capacity / replacement of existing compressors
- Unloading of shut-in wells
- Increasing well availability
- Flare gas recovery
- Enhancing gas recovery on FPSO / shuttle ships
- Vent gas extraction / recovery
- Compression of waste gas into a flare header

### Advantages:

- No moving parts
- Simple to install and operate
- Low cost with short payback
- Negligible maintenance
- Handles liquid slugs without damage
- Proven reliability

### Noise:

Noise generated by process equipment can be a health and safety hazard offshore. Transvac through their experiences in the field have developed a design of Ejector that minimises noise transmission through the Gas Ejector walls and are able to introduce, where necessary, further solutions to keep noise within allowable limits.

### Typical Materials:

- LT Carbon Steel
- 316L Stainless Steel
- 22Cr Duplex Stainless Steel
- 25Cr Super Duplex Stainless Steel

### Design Standards / Codes:

- PD 5500, ASME VIII Div 1, ASME B31.3, RTOD
- PED 97/23/EC
- NORSOK
- Shell DEP, NORSOK, NAM NSS
- NACE

### Quality Assurance :

Transvac are accredited ISO 9001:2000 and certified to module H of the PED