

# WELLCOM in action...

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

**AGIP, Trecate, Italy**

**Requirement:**

To design and supply a multiphase boosting system for a low-pressure oil well with up to 70% associated gas content. (Flow could be varied from 744 bbl/d at 45 barg to 6048 bbl/d at 56 barg). The system had to utilise motive energy from a higher-pressure well producing 4992 bbl/d at 78 barg.

**Solution:**



A WELLCOM Oil system was supplied comprising an I-SEP compact inline separator (to separate gas from the motive fluid), a custom designed jet pump and a dedicated commingler (to remix the separated gas with the driven fluids). The complete system was mounted in a skid frame.

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Results taken from the system instrumentation confirmed an impressive boost to the low-pressure produced fluids. At the discharge of the system, measurements showed that the low-pressure fluids had been boosted to a new range of pressures of 56 barg (744 bbl/d) to 58 barg (6048 bbl/d) representing a gain in pressure of up to 25%.

## Performance:

### **Dr Rex W Gaisford, C.B.E**

Executive Vice President, Worldwide Developments  
Amerada Hess International Limited

## Comments:

*“From an oil company point of view, this project is easy to justify. The system provides benefits in production and yet does not interrupt the process. It has plenty of upsides and no downsides. The WELLCOM system has generated a lot of enthusiasm within Amerada Hess – it is simple, rugged, with no moving parts.”*

### **Francesco Paone**

Senior Engineer  
AGIP, RIIN Dept.

*“The reliability of the WELLCOM system has been proved with live oil at field conditions in a test campaign performed in Trecate.”*

*WELLCOM is a registered Trade Mark.  
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