

PROJECT

High Pressure Oil Transfer Line For The Nam



LOCATION

NAM Schoonebeek

END USER

NAM Schoonebeek (Shell operating daughter company)

CONTRACTOR

Hulsink Ootmarsum

COMPLETION DATE

1986

DESCRIPTION

1.500 mtr. Line pipe system DN100 designed for 62 bar and 90°C,

PIPE SYSTEMS

Wavistrong GRE pipe system, designed for a pressure class 62 bar (hydro static field test pressure 1,5 x 62 bar). The connections were developed as a Rubber Seal Lock Joint System (RSLJ), pipe ends equipped with O-rings (oil and brine resistant) and stainless steel locking device (cable).

SCOPE

Our scope included:

- Engineering and system design
- Fabrication
- Installation supervision

THE FPI ADVANTAGE

Light weight eases transport to and through remote areas and reduces the need for heavy lifting facilities. The smooth surface of GRE materials reduces wall friction and thus reduces the pressure drop along the line allowing higher transport rates compared to equal sized steel lines. It has been further proven that GRE materials are much more abrasion resistant than steel, the difference can be a factor 3-4 in lifetime expectancy. Fast connection types like the RSLJ design reduce installation times (even under rainy and cold conditions) and thus labour cost or even more important reduce downtimes of operations.

The flexible connection is of benefit in weak soil areas (soil settings to be expected) and in areas with a high water table.

Operating costs are significantly lower, since no painting, inhibition, intelligent pigging etc. is required.