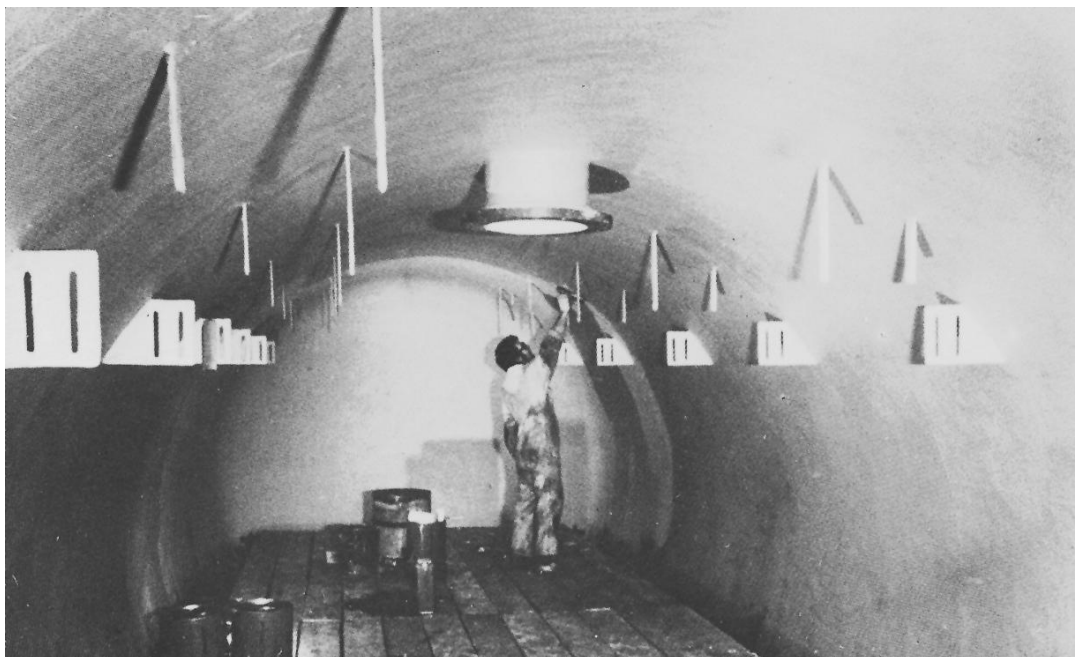


## LINING OF VESSELS FOR OIL PLATFORM

### Derakane Epoxy Vinyl Ester Resins – Case History



#### Fabricator

Rigidon LTD., Gloucester, UK.

This material was selected by NATCO U.K. Ltd. and approved by BNOG (development) Ltd. for use in the Thistle Field, North Sea, due to its robustness and superior corrosion resistance. The lining's permeation resistance and special characteristics will ensure a long maintenance free life, a very important factor in this installation due to the high cost of repair or removal of vessels from a North Sea oil platform.

#### Fabrication

Rigiflake 4860, which is a formulated system containing **DERAKANE 470** epoxy vinyl ester resin and flakes of C-glass, was applied in two coats to a nominal thickness of 1.5 to 2 mm (60 to 80 mils).

#### Technical Data

A total of 13 vessels of various sizes ranging up to 3.6 m (11.8 ft) diameter and 11.5 m (37.7 ft) length with a total surface area of over 1100 m<sup>2</sup> (11840.3 ft<sup>2</sup>) have been lined.

#### Service Conditions

These lined carbon steel vessels are crude oil, natural gas and salt water separators and treater vessels designed to operate up to 95°C (200°F). The vessels are installed on a production platform situated in the North Sea Thistle Field.

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