

BELZONA COMPLIANT SUPERWRAP REPAIR ON RISER WELLHEAD CASING

ID: 7558

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel
Products: * Belzona 1111 (SuperMetal) ,
* Belzona SuperWrapII System ,

Customer Location: Oil Field Operator, North Sea, Norway
Application Date: July 2016

Problem

Severe corrosion on 17 years old 18" production riser on a North sea oil producing platform had resulted in a critical through wall defect. The riser was containing drillfluid as the oil production from the well been stopped recently. The drillfluid was leaking into the surrounding casing through the defect creating possible safety and environmental issues. The design parameters were: 20 years life expectancy, design temperature 55 deg Celcius and design pressure 1 MPa



Photograph Descriptions

- * 1. View of defect area. ,
- * 2. Gritblasting details. ,
- * 3. Gritblasting details and defect area patched and prepared using Belzona 1111. ,
- * 4. Completed SuperWrapII application. ,

Application Situation

17 years old 18" offshore riser.

Application Method

The application was carried out in accordance with Belzona System Leaflet VPF-11. Following gritblasting, the defect area was patched with a layer of Belzona 1111. Immediately after this, the Belzona SuperWrap II system was installed in accordance with the calculated dimensions. After curing the application for 48 hours, a custom-made clamp was assembled to set the casing back to its former location and purpose, covering the SuperWrapII repair completely.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com


BELZONA
Repair • Protect • Improve

Belzona Facts

The full preparation and SuperWrap application was executed without the use of hot work and finished on schedule in 3 days.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

