

BELZONA PROTECTS PULSATION DAMPENER

ID: 92



PROBLEM

The rough surface caused by corrosion within the dampener was causing the diaphragm to be holed very quickly. This was leading to the drilling operation having to be shut down whilst the diaphragm was changed.

APPLICATION SITUATION

Pulsation dampeners handling a mixture of brine and drilling mud at temperature of 100°C and 350 bar pressure.

APPLICATION METHOD

Application was carried out in accordance with Belzona System Leaflet VPF-2.

BELZONA FACTS

The reduction in un-scheduled shut downs speeded up the overall drilling process saving £1000's in operating costs

INDUSTRY

Chemical & Petrochemical

LOCATION

Offshore drilling company

APPLICATION DATE

1994

PRODUCTS

Belzona 1391

SUBSTRATE

Carbon steel

PHOTOS

1. The unit after surface preparation which involved repeated washing and grit blasting to remove salt contamination
2. Application of Belzona 1391 underway
3. The completed application. The smooth corrosion resistant surface will minimise wear on the diaphragm

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Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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