

## BELZONA PROTECTS PIPE WITH INTERNAL LINING

### CUSTOMER

Oil and Gas Company, BA, Brazil

### APPLICATION DATE

July 2009

### APPLICATION SITUATION

New pipes without an internal coating need protection to be put into operation.

### PROBLEM

Since the operating fluid (produced water) is very corrosive, these pipes needed the internal protection in order to increase its working life.

### PRODUCTS

Belzona 1121 (Super XL-Metal)

Belzona 5891 (HT Immersion Grade)

### SUBSTRATE

Carbon Steel

### APPLICATION METHOD

The weld seams and irregularities were roughened by grinding. The internal surface of the pipes was prepared by blast cleaning to a near white metal finish, SSPC SP-10 Sa 2.5; standard. After the removal of residue and cleaning with a degreaser, Belzona 1121 was applied to smooth the weld seams/irregularities. Then the 1st layer of Belzona 5891 was applied at a thickness of 300-400 microns. After the initial mechanical stability of Belzona 5891, brush-off blast cleaning was carried out and the 2nd layer of Belzona 5891 was applied at a thickness of 300-400 microns. In the straight sections, the coating of Belzona 5891 was applied. Inspection was carried out and the identified misses were retouched.

### BELZONA FACTS

Belzona was applied to the new pipes to extend the working life. The customer knew about Belzona and was satisfied with the application.

### PICTURES

1. Internal surface after blasting.
2. Internal surface of the pipe coated with Belzona 5891.
3. Close-up after the application of Belzona 5891.
4. Overview of the pipelines.



1.



2.



3.



4.

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



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

UK • USA • Canada • Thailand  
[www.belzona.com](http://www.belzona.com)

