

Wellhead Leak Repair

ID: 8924

Industry: Oil & Gas
Application: SOS-Ships and Offshore Structures

Customer Location: Gulf of Mexico, USA
Application Date: January 2023

Substrate: Carbon steel
Products: Belzona 1121 (Super XL-Metal), Belzona 1981 (SuperWrap II), Belzona 9611 (ES-Metal)

Problem

A hole present in the casing did not allow gas lift pressure to accumulate. If the accumulation of pressure is not achieved, then oil cannot be produced.



Original condition of the leaking wellhead.



Defect located and prepared for plug with Belzona 9611.



Surface after grit blasting.



Hole repaired with SuperWrap II.

Application Situation

This specific producing well is responsible for \$18,000 per day in revenue. The well was shut in for less than 36 hours and put back into service.

Application Method

The defect (hole) was plugged with Belzona 9611. Then, the surfaces were rebuilt with Belzona 1121. Finally, the SuperWrap II system was applied to repair the area and offer structural integrity.

Belzona Facts

Welding was not allowed due to no hot work allowed. There were several other operating wells in the area. In order to repair with traditional welding, all of the wells in the vicinity must be shut-in at the cost of \$75,000 per day.

With Belzona no hot work is needed and extensive downtime was avoided by completing the repair successfully and putting the well back to service in less than 36 hours.

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

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