

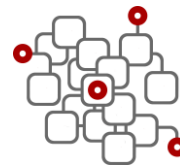
Minimising Asset Down-Time Safely, Effectively and Reliably

# CASE STUDY 118

## 26" x 13<sup>3</sup>/<sub>8</sub>" Wellhead

### PROJECT DETAILS

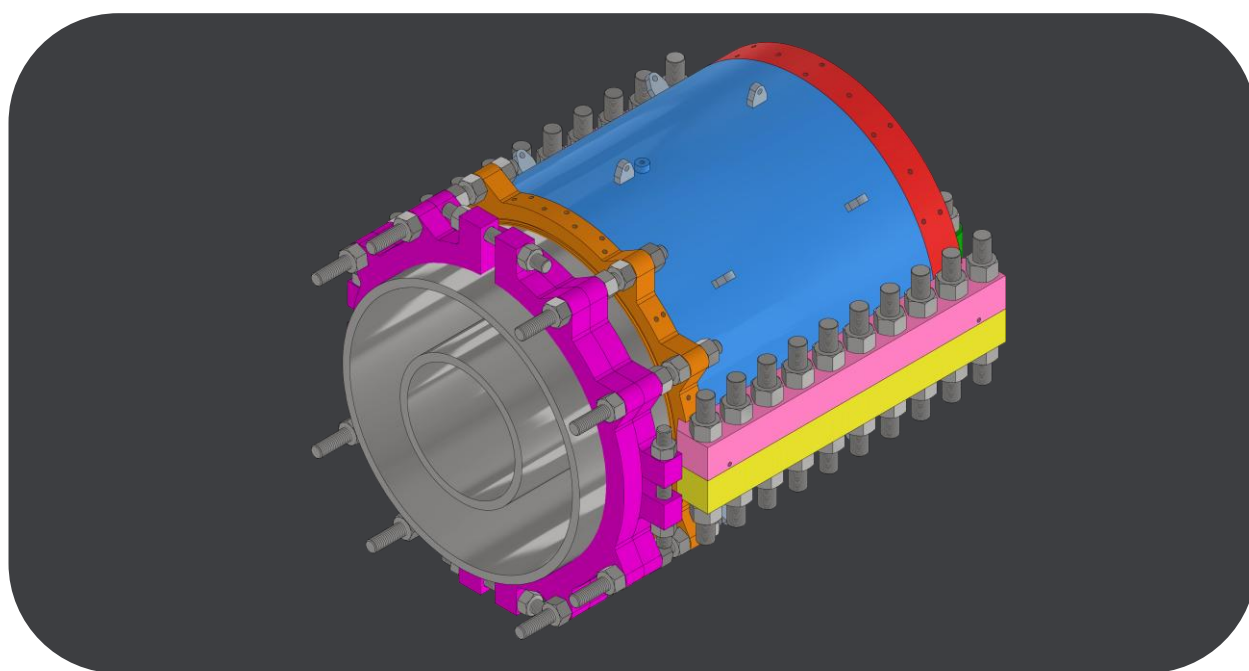
Case Study Number	118
Description	26" Conductor with mechanical damage on 13 <sup>3</sup> / <sub>8</sub> " casing
Industry	Oil & Gas
Process	Crude Oil
Line Size	26"
Design Pressure	51,8 Bar
Operating Pressure	34,5 Bar
Design Temperature	40°C
Operating Temperature	30°C
Pipe Material	Carbon Steel
Line Class	API 5CT
Compiled By:	Beruseal Engineering
Date:	10/02/2026
Email :	engineering@beruseal.com



## ANOMALY DESCRIPTION

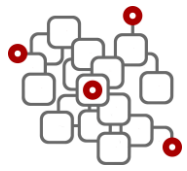
An uncontrolled release of crude oil into a sensitive river environment. The leak was identified as originating from the annulus between a 26" conductor pipe and a 13-3/8" casing string. This breach resulted in hydrocarbons spewing under pressure from the wellhead assembly directly into the surrounding water.

Before Photo



## INTEGRITY CONCERNS

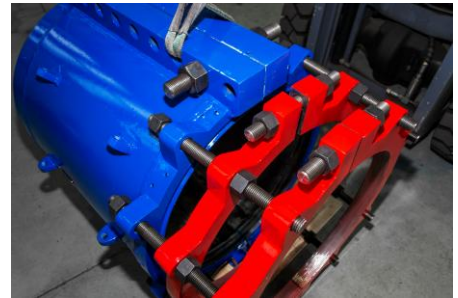
Immediate threat of environmental contamination to the aquatic ecosystem and potential risks to nearby communities. The "Wild Well" condition necessitated an urgent intervention to regain hydrostatic control and restore the structural integrity of the wellbore connection.

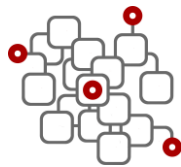


# THE BERUSEAL SOLUTION

To repair the breach, an engineered leak sealing enclosure was designed in accordance with ASME PCC-2 and BPVC Section VIII Div. 1 standards, utilizing a split sleeve design and high-pressure seals to isolate the leak. This mechanical clamp solution incorporated a support clamp to ensure asset integrity for the lifespan of the repair. Following installation, the integrity of the assembly was verified through a successful leak test, confirming full pressure containment.

After Photos





Restoring Integrity, Maintaining Reliability



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