

**20" Leaking Header Line Repair  
using Clock Spring® Contour Wrap**



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## 1 Repair Area

A 20" header line exhibited a pin hole leak at the 6 'O'clock position due to internal corrosion.



## 2 Surface Preparation

This was a main header line operating @20 bar. The requirement was an immediate reinforcement for a minimum period of 2 years.



## 3 Clock Spring® Contour Application

SKPS designed a Clock Spring® contour repair in accordance to ISO 24817 guidelines and finalized the repair with a locally placed trained and certified application engineer.

The repair was completed in 2 days/6 hour shifts day & night.



## 4 Design Criteria

Actual Wall Thickness	: 19.05mm
Minimum Remaining Wall Thickness	: Pin hole
Defect Type	: Internal Corrosion
Size	: 20"
Material	: Carbon Steel
Defect Analysis	: Pin hole
Orientaion of Leak	: 6 O' clock
Life time	: 2Years