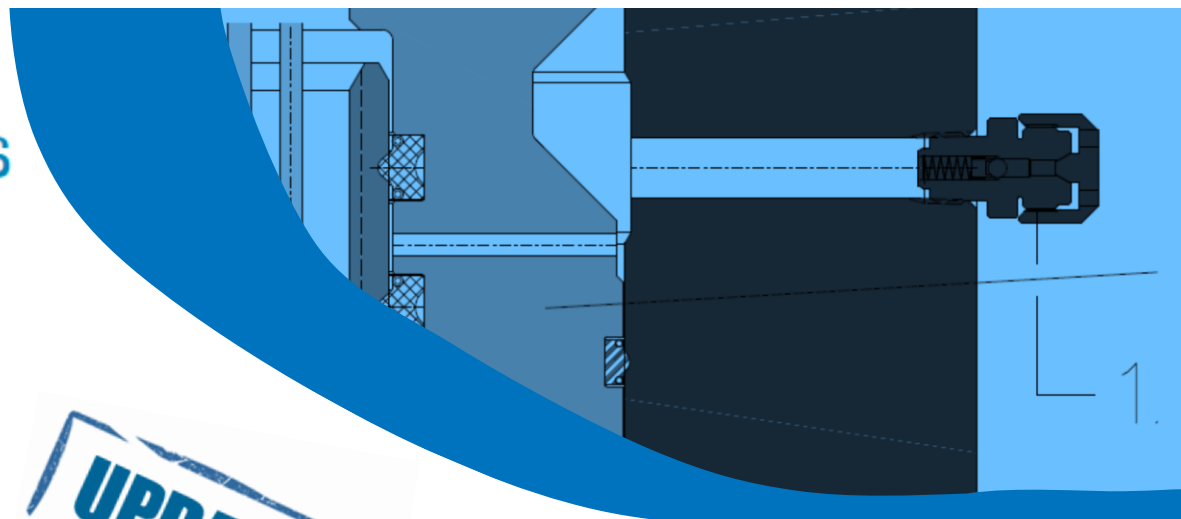




Kinetics Controls  
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# MS-Sealant Leak Sealing Solution

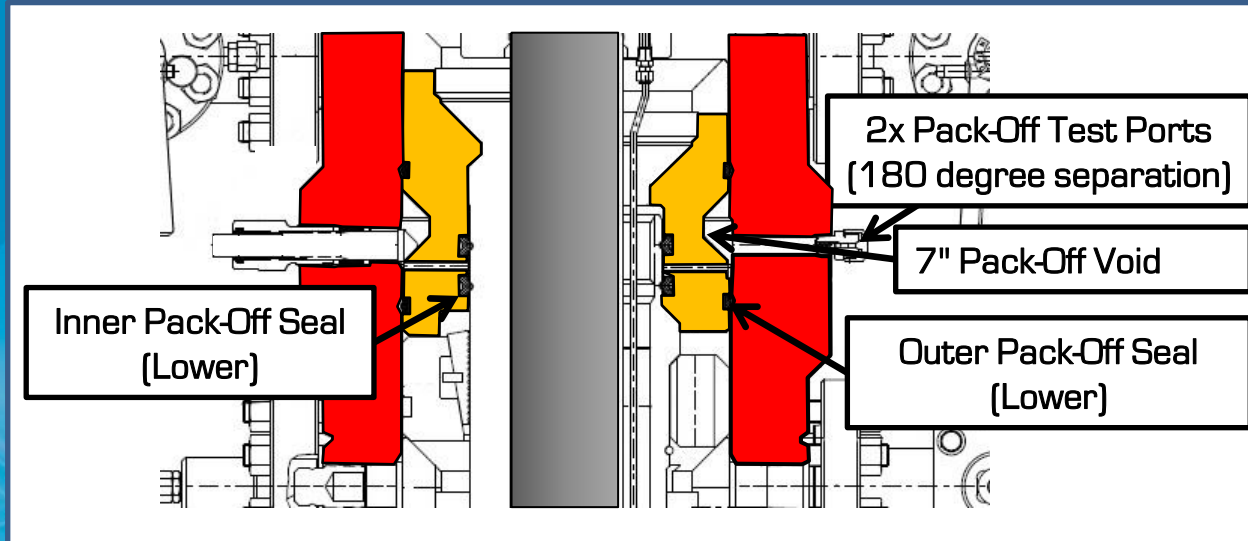


**UPDATED**

“Successful 7 inch Pack-Off  
Isolation using MS-Sealant ”

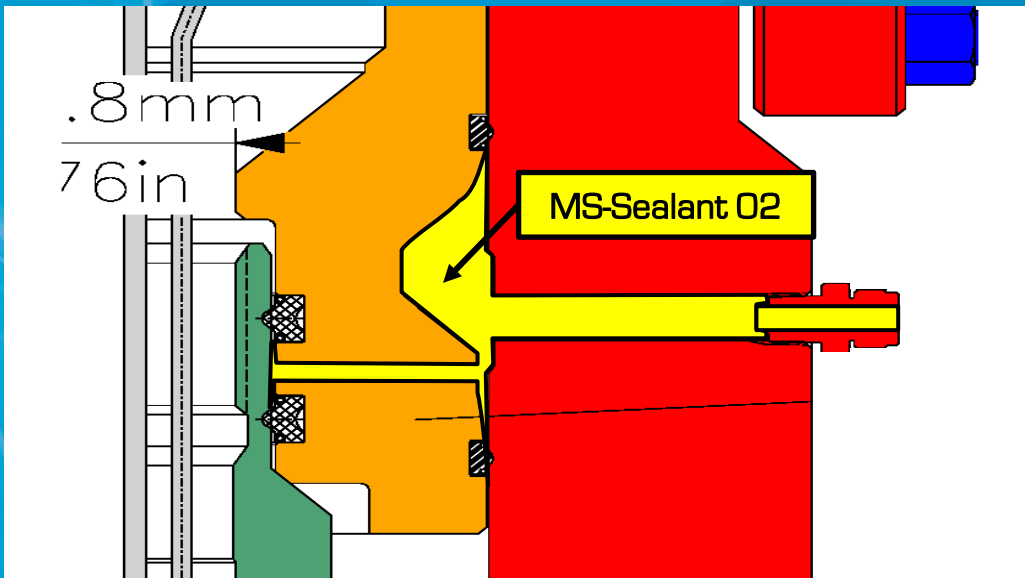


# 7" Pack-Off Isolation - MS-Sealant 02



## Background

- ❑ KCI were asked by a Major Oil and Gas Operator in North Africa to reinstate the Well Integrity on a FMC Wellhead.
- ❑ The leak was observed in the A-Annulus 7" Pack-Off. When the Pack-Off Void is bled to Opsi pressure it builds back up over a 10 minute period to 500psi which was equal to the pressure of the A-Annulus.
- ❑ This failure indicates that the Lower Seals are leaking on the Pack-Off which is allowing A-Annulus pressure to enter Pack-Off Void.
- ❑ This is a Gas Lift Well and is Shut-In due to this Well Integrity issue.



## Deployment Detail

- ❑ The 7" Pack-Off was inflow tested to confirm the leak path, 500psi PBU over 10 minutes indicating the same pressure as the A-Annulus. A pressure test was attempted but could not be achieved due to the leak.
- ❑ 2 litres of MS-Sealant 02 was Deployed into the 7" Pack-Off to create an isolation. A 2000psi PBU was achieved.
- ❑ Once the MS-Sealant 02 had fully cured the 7" Pack-Off was successfully tested as below:
  - ❑ An Inflow test using A-Annulus pressure of 812psi with no leaks.

## \*Objective Achieved\*

The isolation was successful.

The well was safely brought back online regaining valuable production for the customer.

This Value Adding, Rigless Isolation Operation saved the Well owner from a potentially time consuming and costly Wellhead strip & repair.