



Wellhead Seal Isolation

Gate Valve Isolation

Control Line Isolation

Downhole & Surface Isolation

Anti - Corrosion

Challenge

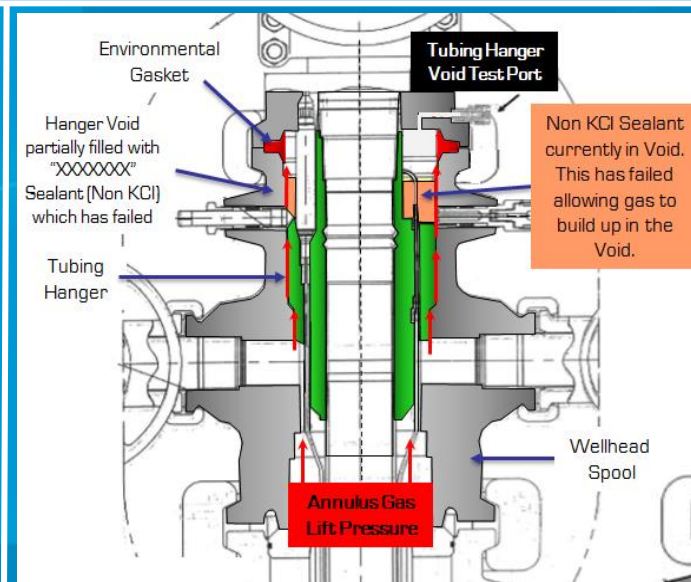
- ❑ Tubing Hanger Void is Building Pressure - Leak from below.
- ❑ Loss of Wellhead Barrier.
- ❑ A non-KCI sealant in the Void has failed.
- ❑ Well being operated under "Deviation from Policy" due to this Well Integrity Issue and placed on the "Workover List".

Solution

- ❑ Create an Isolation in the Tubing Hanger Void with Mac-Seal via a Hollow Tie Down Bolt to deploy sealant from below.
- ❑ Deploy Mac-Seal to Fully Fill Void from the bottom up.

Result

- ❑ Isolation Successfully Carried Out & Tested.
- ❑ Well Safely Brought Back Online.
- ❑ This Value Adding, Rigless Isolation Operation saved the Well owner from a costly Well Workover operation.
- ❑ Our customer was extremely happy with our Safe, Effective & Efficient operation.



↑ Tubing Hanger Void Leak with Non-KCI Sealant - As found

