

FloSure Autonomous ICD – Float

Buoyancy-enabled inflow control device

FloSure AICD Float provides the ability to run a closed system AICD screen completion into long horizontal open hole sections in ‘one trip’.

Running long screen completions into horizontal multi-lateral wells can prove problematic due to shallow step outs and long arduous horizontal sections. In these cases, smaller sections of screen often require to be dropped off, resulting in multiple trips required to complete the open hole section.

The current AICD has no ability to prevent self-filling of the tubing, therefore FloSure AICD Float is designed to temporarily close the AICD with a dissolvable alloy, thus enabling sufficient time to install the completion. Once all tool manipulations are complete, the process of dissolving will commence, returning the AICD to its natural production-ready state. This capability saves significant rig time and reduces operational and safety risks.

One of the field-proven methods utilised in the industry is to ‘float’ the completion to bottom. This is achieved by limiting or preventing fluid to enter the completion tubing, therefore making the completion string boyant, easing the trip to bottom.

Features

- Simple and effective
- Predictable and adjustable dissolving rates
- No detrimental effect on AICD performance

Benefits

- One trip completion, saving rig time versus multiple screen drop off
- Reduces operational and safety risk, and minimises time the hole remains open
- Quicker transition from completion to production phase



FloSure AICDs can be integrated with TAQA’s premium screen range.