



# FLOSURE AICD

## SUCCESS STORY

### OPTIMIZING HEAVY OIL PRODUCTION AND WATER MANAGEMENT USING AICD TECHNOLOGY

Peru

**53%**

INCREASE IN OIL  
RECOVERY

**36%**

REDUCTION IN  
CUMULATIVE WATER  
PRODUCTION

**2X**

INCREASE IN  
CUMULATIVE OIL  
PRODUCTION

The FloSure Autonomous Inflow Control Device (AICD) is an effective solution for increasing oil production over the life of the field, to overcome gas or water breakthrough and ensure uniform production longevity.

## THE CHALLENGE

Our clients oil field faced early water breakthrough, reservoir heterogeneity, and high water cut wells - driving up costs and reducing productivity. With conventional completions failing to control inflow due to the permeability and thickness of the reservoir, a better solution was required.



## THE SOLUTION

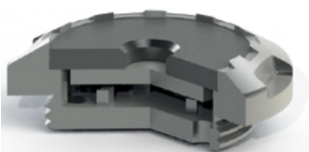
To tackle the clients challenges, TAQA deployed Flosure AICDs with a targeted strategy: autonomous water control, reservoir segmentation via Swell Packers, tailored customized completions based on reservoir characteristics, model-based performance optimization, and ESP tuning. This integrated approach maximizes oil whilst minimizing water, and cuts energy use and emissions, delivering smarter, more sustainable production in complex reservoir conditions.

## THE RESULT

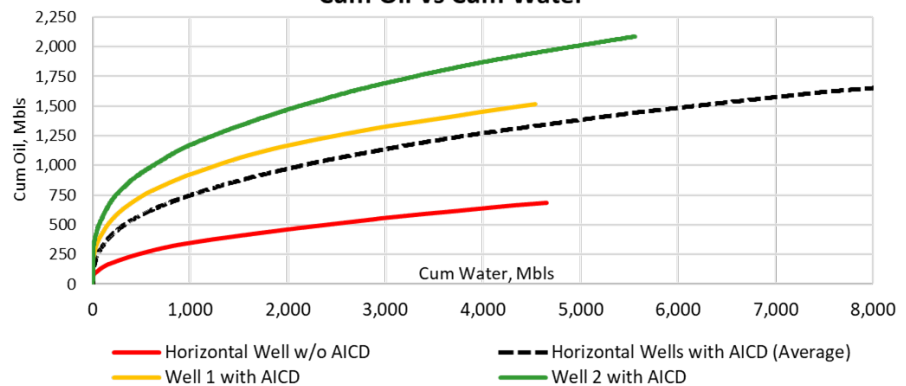
FloSure AICDs deployment doubled the clients oil recovery per well and reduced cumulative water production by 36%, all whilst cutting operational costs and emissions, extending well life, and improving sustainability. This success along with the continuing development of our clients field will allow our AICD technology to remain a significant part of their completion strategy, demonstrating how innovation and sustainability can go hand in hand.

### WELL DATA

- Well Type: Heavy Oil
- Lateral Length: 1000-1200m
- Vivian Formation
- SPE Paper: SPE-224012-MS
- SPE Paper: SPE-224002-MS



Cum Oil vs Cum Water



Oil Cum vs WOR

