

## Improved safety through closed loop solids management Trinidad & Tobago, July 2021

**349 kg**

Solids separated

**Zero**

HSE  
Incidents

**0 hours**

NPT

**435 h**

Operation

### Challenge

An offshore well needed to be remove a plug to gain access to the lower well zones. However, the well was a high sand producer with a lot of sand accumulated above the plug. Any sand above the plug needed to be removed to pull the plug hence, a sand cleanout was required.

The solids management system was planned to also produce the lower part of the reservoir (below the plug) to remove any sand in the wellbore, allowing the well to be restored to optimal production. The sand fill averaged size of 30 microns according to pre-job data. The expected duration of the job was approximately three weeks.

### Solution

An automated 5K DualFlow desander unit and a 5k Choke Manifold were mobilized to the production platform in the Caribbean Sea. The solids removal system was installed to remove solids from the return fluid during a Coiled Tubing Cleanout (CTCO) of an offshore well. The cleanout fluid was routed from a flow tee on the riser stack through an H.P Manifold through the DualFlow unit.

The dual cyclonic desander was set up in Series Mode with bespoke inner liners designed for optimum separation efficiency. Solids were successfully removed, and clean fluid was sent to the export line for standard processing.

### Result

DualFlow unit performed as planned and separated 348.6 kg of solids from the coiled tubing cleanout. Another oil service company delivered the coiled Tubing Clean out operation but unfortunately failed to pull the tubing plug. However, the end customer was delighted with the separation performance from the solids management solution and is planning to use it going forward.

