

# GEN 3 Drillpipe Debris Trap Deck Unit Protects Proactively

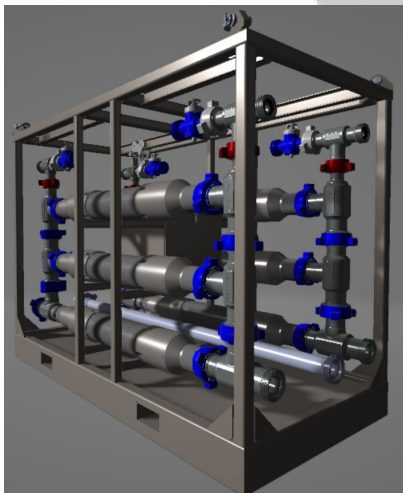
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**Location:** Deepwater Gulf of Mexico

**Challenge:** a) Prevent foreign surface debris from plugging screens and formation during stimulation treatment. b) Protect thermal unit from debris in recirculated diesel.

**Solution:** a) Integrate Spoked Solutions' 3<sup>rd</sup> generation HP DPDT-DU downstream of stimulation vessel. b) Insert a second 3<sup>rd</sup> generation HP DPDT-DU downstream of shaker system and upstream of thermal unit.

**Result:** a) Spoked's DPDT-DU filtered ~8,000bbls of stimulation fluids over a three wells multi-zone campaign and b) on the LP side, filtered thousands of barrels, removing ~10lbs of sludge, paraffin, and various other materials resulting in no down time of the thermal unit.



## The Case:

Often overlooked is the debris that accumulates on surface through fluid transfers from vessel to vessel, tank to tank, and via hoses owned by multiple vendors.

A deepwater operator in the Gulf of Mexico chose to eliminate the accumulation of this debris by filtering fluids destined to come into contact with the formation during their platform stimulation campaign. To add, the addition of a thermal unit for heating recirculated diesel on the LP side of the RU meant protection was needed to prevent debris from entering this unit to eliminate downtime as the unit is incapable of handling debris during the heating process.

Spoked mobilized a DPDT-DU for both the HP and the LP side of the RU.

The ability to utilize the increased capacity, onboard bypass, and inlet/outlet differential pressure monitoring meant the Gen 3 DPDT-DU was able to filter ~8,000bbls of stimulation fluid on the HP side and thousands of barrels on the LP side catching over 17lbs of formation and screen plugging debris while protecting the thermal unit from potential damage.

Placed downstream of the shaker system (both 200micron and 400micron screens installed), the DPDT-DU (154 micron filter) still managed to capture 9.2lbs of sludge, paraffin, and various other solids.

## The Tech:

The 8'x4'x5.5', 15,000psi patented DPDT-DU has primary, backup, and bypass abilities customizable screens with magnet accessories, and can handle greater than 18bpm.

## More Information:

[www.spokedsolutions.com/dpdt-du](http://www.spokedsolutions.com/dpdt-du)  
[www.superiorperformance.com](http://www.superiorperformance.com)

## Single Gen 3 DPDT-DU

Single Barrel Hydrated Capacity: 6 gal  
Single Barrel Dehydrated Capacity: 0.52 ft<sup>3</sup>  
Unit Hydrated Capacity: 35 gal  
Unit Dehydrated Capacity: 3.1 ft<sup>3</sup>

