



for complex fluids

Decommissioning - Making the Pipeline Safe, North Sea



CHALLENGE

- Provide fluid handling services in order to make the subsea pipeline safe before removal



SOLUTION

- CETCO Energy Services (CETCO), provided fluid handling services and recovered sea water for filtration, mobilized our proprietary vessel, CrudeSorb® to prevent Oil-in- Water (OIW) discharge from rising above the target 30 ppm



RESULTS

- Successfully treated pipeline and 350m³ fluid, and directed fluid with clean water for overboard

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CHALLENGE

During the decommissioning stage of the Angus Pipeline PL1857, Technocean Subsea contacted CETCO to provide fluid handling services in order to make the subsea pipeline safe before removal. Technocean Subsea deployed the Construction Support Vessel Despina to the field containing our mobile modular DNV 2.7-1 approved equipment.

CETCO SOLUTION

The content of this 8" 10km line was 290m³ of fluid which was displaced with sea water and recovered back to deck for filtration via our Smart Tank, PFU 800 and Hi-Flow[®] IFV-4000 units. Our CrudeSorb[®] vessel was deployed but used only as a contingency in case the OIW discharge content rose above the target 30 ppm. The equipment was also able to retrieve the L Gel Pig that was injected to assist the flushing of the pipe.

The contents of the pipe was of a substantially higher hydrocarbon concentration than first expected. Typographicaly suggested a content of around 5m³ of hydrocarbon present

in the line. This turned out to be over 260 m³ of neat diesel. CETCO's trained personnel detected this quickly and diverted the fluid to storage onboard the vessel which resulted in 2 port calls to transfer fluid. Once the hydrocarbon content dropped to a more suitable level we directed the fluid through our equipment with clean water being discharged overboard at an average OIW content of 8 ppm.

RESULTS

A further flush of 60m³ ensured the pipeline was clean and in total our equipment successfully treated 350m³ of fluid. The successful outcome, under some challenging circumstances, enabled our customer to: reduce cost of vessel hire, complete the job quicker by minimizing port calls and reduce environmental risks. CETCO Energy Services maintained their 100% success rate during pipeline flushing projects.

