Offshore Oil & Gas Pipeline Maintenance and Repair Technology in China

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Abstract

There are about 3000 km offshore oil & gas pipelines in China, most of them are used for more than 10 years. For the reason of corrosion and third part sabotage, pipe leaks often occur. This paper gives detail instruction about the offshore oil & gas pipeline maintenance and repair technology developed for China Hi-Tech R & D Plan. The developed equipments, including removing tools for out-pipe coating, underwater diamond wire saw, underwater creeping-on-pipe beveling machine, pipe adjustment and reinforce clamp, underwater tapping machine with pressure balance, pipe plugging equipments, dry habitat system, dry hyperbaric automatic TIG welding machine, etc., are introduced also.

Key Words: Offshore Pipeline; Maintenance and Repair; Equipments