

JANICE DECOMMISSIONING

SUT/Masts Decommissioning and Wreck Removal Workshop

6th October 2017



Janice History



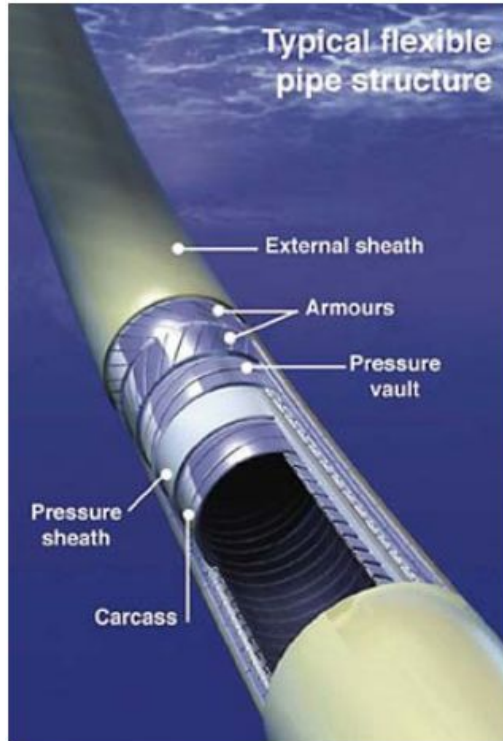
- Central North Sea
- 175 miles SE of Aberdeen
- Field discovered in 1990
- First production in Feb 1999
- Over 70 million barrels production over its lifetime
- Asset reached its economic end of field life in 2015



Some of the Challenges

Flexible Pipeline Cleaning

How clean is clean?



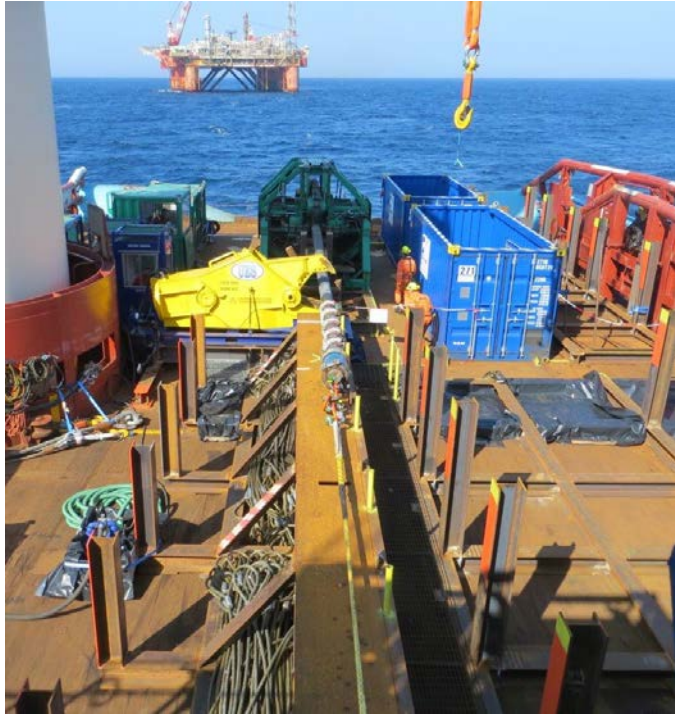
- Industry benchmark is 30ppm
- Oil accumulates in carcass of flexible, which is impossible to remove fully by flushing or pigging.
- Residual Hydrocarbons will leach out from carcass over time

- Could the use of micro organisms to break down residual hydrocarbons in pipelines left in situ be a possibility?



Flexible Pipeline and Umbilical Recovery

Recovery doesn't need to be reverse installation



Mid Water Arch Recovery



- Vessel time required flood and sink buoyancy tanks

- Use of explosives may simplify subsea cutting operations?



Structure Recovery



- Bringing heavy lifts inboard more challenging than installing as the load naturally spends more time “uncontrolled” in the air.
- Taking into account that all rigging points are effectively uncertified and managing the risk of possible rigging point failure.



Questions