



Harbour



Motorway



Rail



Basement



Sustainable
Foundation



Specialist Work >



COOLING SPOOL SKID DESIGN

Balloch Field - North Sea (2013)

▼ The Balloch field is located in block 15/20a and 15/20b in the North Sea and ties back to the existing DC2 manifold on the Dumbarton field which in turn ties back to the GP3 Floating Production, Storage and Offloading (FPSO) vessel.

There are two potential drill sites, one approximately 100m away and the other 1.7km. Both options require the need for a cooling spool to ensure they have an arrival temperature of 80°C upon entering the DC2 Manifold.

Maersk Oil North Sea (MONS) UK Limited have asked Xodus Group to conduct concept design work (and detailed design upon selection and approval) for the Balloch cooling skid.

The cooling skid shall be piled to resist fishing loads and mitigate against dropped objects.

Maersk Oil North Sea UK Limited awarded Bibby Offshore Limited the DSV Well Tie-In Work for Balloch (P17) in the North Sea. Bibby Offshore Limited awarded Dawson Contract Piling Limited the work for the supply of the piling hammer and related equipment and personnel required for the piling operations associated with the installation of the Cooling Spool for this project.

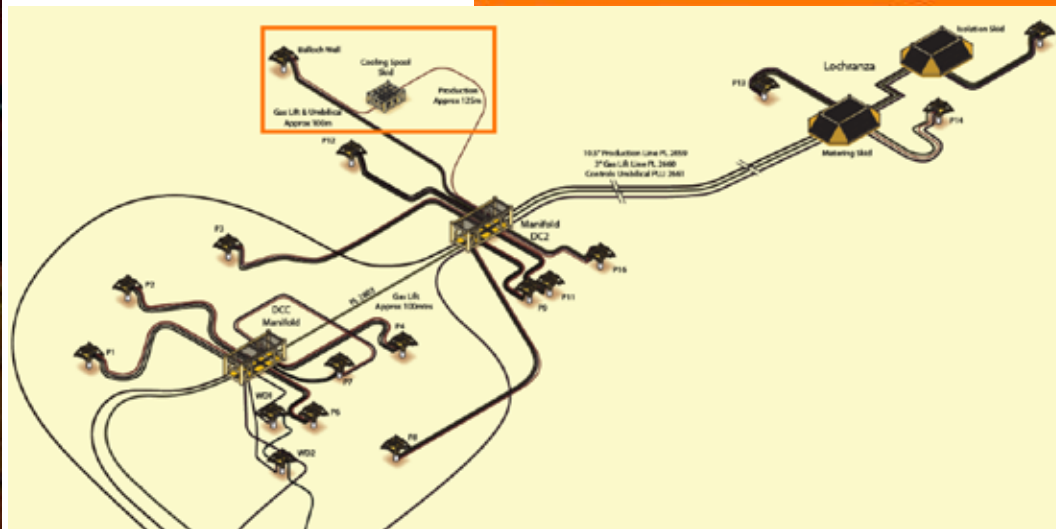
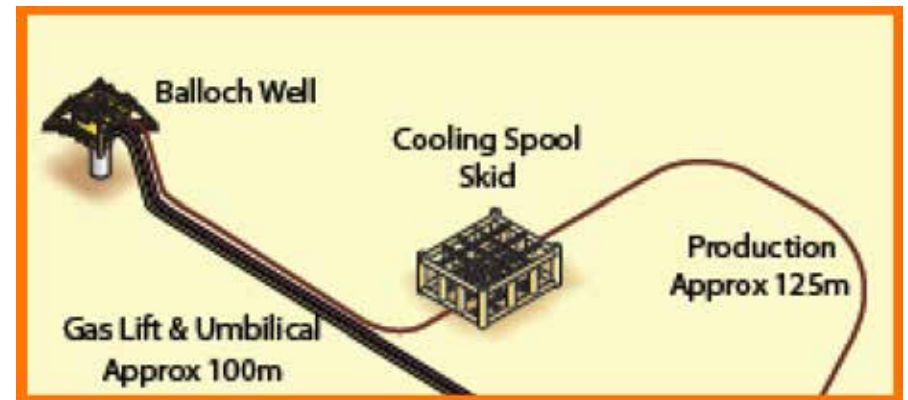


Technical Specifications

Dawson Contract Piling Ltd supplied piling equipment and personnel to Bibby Offshore Limited, to carry out piling works on the Balloch field development.

One Cooling Spool was secured with four tubular piles of Ø24" and total lengths 24.813m. The required pile penetration was 20.50m.

Working from Bibby Polaris vessel, in approximately 140m water depth on the morning of the 7th April 2013 the primary hammer, a Dawson HPH15000, successfully drove all four piles to finished level.



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