



# Dan Water Injection Riser Study

2019

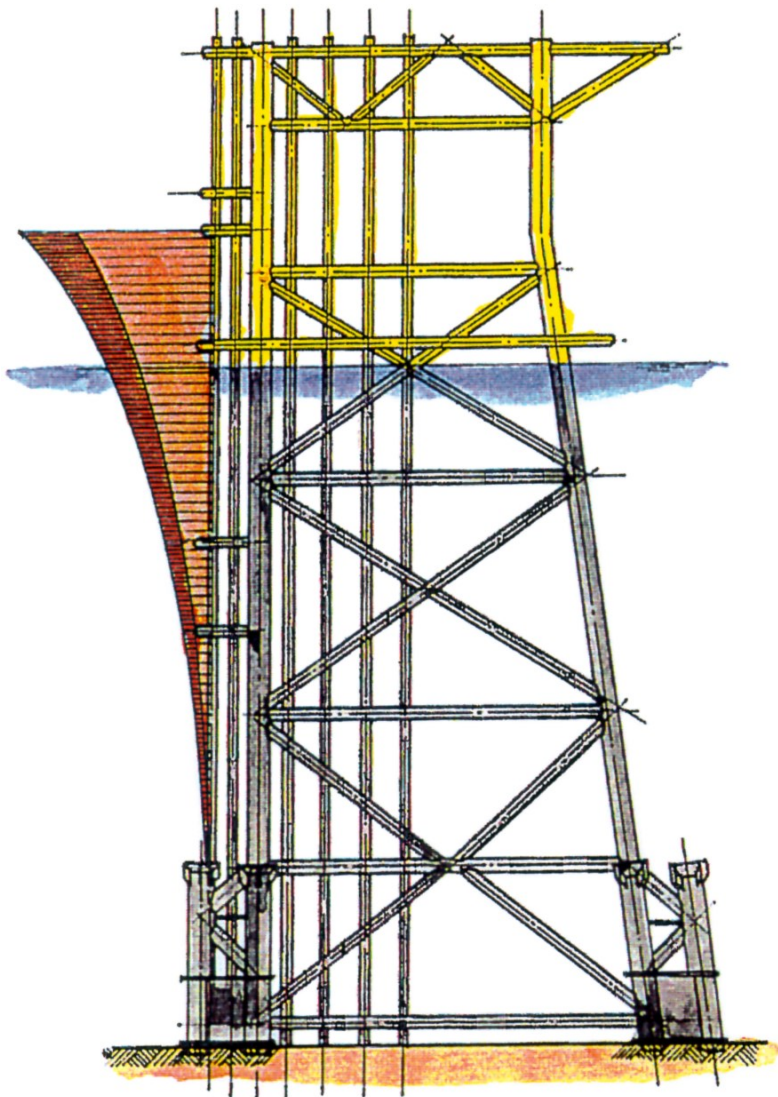
Mærskolie og Gas AS required a 4" water injection line to be installed between Dan FA and Dan E. This necessitated the installation of an additional riser at both platforms.

A combined LICENGINEERING A/S and Baxter Hansen team was awarded the contract to examine various concepts for the risers and recommend the most economic method.

LICENGINEERING A/S / Baxter Hansen subsequently won the detail design contract for the complete riser / pipeline system.

The scope of work comprised analysis conceptual design and installation studies on:

- A tensioned riser, unsupported between the deck and seabed.
- Use of existing spare conductor slots.
- Riser supported by steel clamps welded to the platform structure.
- Riser supported at the top of the jacket leg and attached at intermediate positions by kevlar straps.



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