

Pohokura Field Development

Technip Oceania



Successful lift of the jacket by the Ensco 56, from the HLV Annegret

PROJECT PROFILE

Client:	Technip Oceania
Location:	New Plymouth New Zealand Pohokura Field
Project Duration:	150 days
Date:	May 2006 - Dec 2006

PROJECT SUMMARY

Technip Oceania engaged the services of **AME** to provide engineering design, drafting and site personnel during the execution of the Pohokura field development. **AME** provided assistance in the following areas:

Flowline Installation

AME completed engineering design and detailed drafting of the deflection arch, underroller base seafastenings and developed tie-in procedures for the DSV, Rocky II.

Jacket and Topsides Installation

AME Engineers formed an integral part of the New Plymouth based engineering team that reviewed and optimised procedures for the lift and installation of the Pohokura jacket and topsides.

Self Drilling Piles

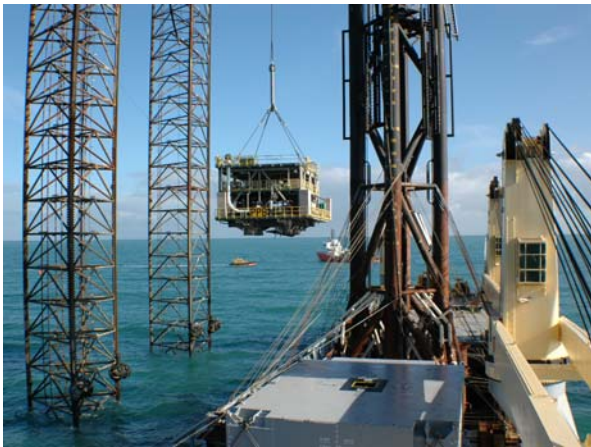
After the failure of the primary pile installation methodology, the New Plymouth engineering team (Technip, Shell, DGS and **AME**) developed a sacrificial, direct circulation, under-reaming, sealed self lubricating drill bit that rotated inside the pile leaving the pile itself stationary. **AME** provided key input into the design of bearings, seals and the lubrication system.



(a)



(b)



(c)



(d)

Photo (a): Umbilical reel being installed on under-roller base.

Photo (b): Flowline deflection arch.

Photo (c): Topside lift.

Photo (d): First stage of jacket set-down.

Photo (e): Pile drill bit, during onshore testing.



(e)

AME Pty Ltd

Telephone: +61 8 9424 4100

Fax: +61 8 9424 4101

Email: info@amepl.com.au

Web: www.amepl.com.au