

Project Title : MARINE & CIVIL WORKS FOR SHELL HOUDINI / ECC PROJECT AT PULAU ULAR / BUKOM

Owner : Shell Eastern

Engineer : ABB LGS – TEC SB JV

Main Contractor : Penta Ocean Construction Co Ltd

Contract Sum : S\$ 148,000.00

Period : Feb 2007 to Mar 2007

Scope of Works : 2 nos of 1500mm temporary debonding casing for steel tubular pipe pile ultimate load test

In view of the dense sand fill layer (after vibro flotation) & the depth/size of debonding casing required (about 18 to 19m), we had proposed to install the debonding casing by Bauer BG28 boring rig with MGB 1500 casing oscillator

**Sub soil condition : 0 to 17/18
> 17/18**

Reclaimed sand fill (after vibro flotation)
original seabed (V dense silty sand /
sandy silt / siltstone / sandstone)

Stabilization fluid : nil (water)

Major equipment deployed :

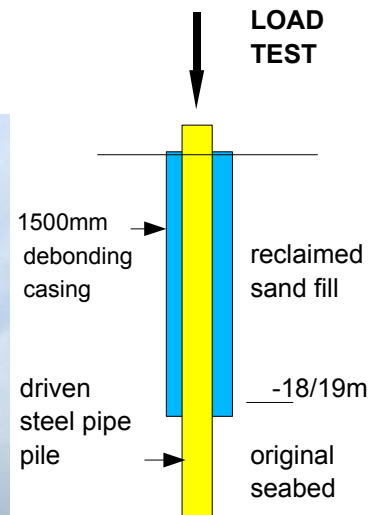
- Boring Rig : Bauer BG28
- Rotary drive adaptor for casing installation
- Crawler crane (65ton)
- Oscillator MGB 1500
- Excavator

Tools :

- Boring Bucket & Auger,
- 1500mm double wall casings

Testing :

- Stanamic Test (by M/C)



loading boring rig & casings on barge for Pulau Ular



Bauer BG28 installing double wall casing