

# PRESSURE TEST CERTIFICATE

Certificate No : 833/85630/TC1

Date : 23 September 1993

Project : C.U.S.P. Prototype Development

Component : 6 inch N.B. Sub-sea Connector of Underwater Pipeline

Designer : ALPHA THAMES ENGINEERING LIMITED

Manufacturer : BABCOCK ENERGY LIMITED

Design Code / Standard : ASME VIII Division 2

Test Specification : 1146P801

Design Conditions : 5,000 psi(g) , Room Temperature

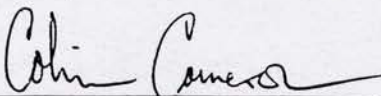
Test Pressures : (1) 24 Hours @ 7,500 psi(g) @ RT  
(2) 5,000 Cycles @ 2,500 psi(g) to 5,000 psi(g) @ RT  
(3) 200 psi(g) for 30 Minutes @ each Seal Plenum  
(4) 10 Times for 15 Minutes @ 5,000 psi(g) Underwater

Pressure Test Medium : (a) Towns Water for Tests (1),(2) & (4)  
(b) Dry Nitrogen Gas Test (3)

Test Equipment : Madam DA10 1:256 Air Hydro Pump  
Dymisco Pressure Transducer Model G831-301-10M  
Schlumberger "Orion" Data Logger Model 3530A  
Budenberg Pressure Gauge Model 280H

Test Results : Satisfactory in compliance with Specification 1146P801

Approval :

  
Responsible Engineer  
Babcock Energy Limited

  
DNV Surveyor  
DNV GL