

FX-70[®]

INERT CORROSION-FREE SYSTEMS

Structural Restoration and New Construction

PILES-PIERS-MARINE STRUCTURES

U.S. PATENT No. 4,019,301

FX—70 SYSTEM STOPS SPLASH ZONE CORROSION ON GULF OF MEXICO OFFSHORE OIL PLATFORM



JULY - 1977

PHOTOGRAPH A

HIGH ISLAND A-323 PLATFORM

This platform located approximately one hundred miles east of Freeport, Texas required in place splash zone corrosion protection. The FX-70[®] System was specified after other systems had been attempted and abandoned because of heavy seas and other problems associated with offshore operations.

The first phase installation was accomplished in fourteen days in the field and involved protecting fourteen diagonals and kneebraces with two six foot jackets each.



PHOTOGRAPH B

FX-70® HYDRO-ESTER JACKETS

Jackets were fabricated in two six foot sections and ranged in diameter from 18 inches to 33 inches.



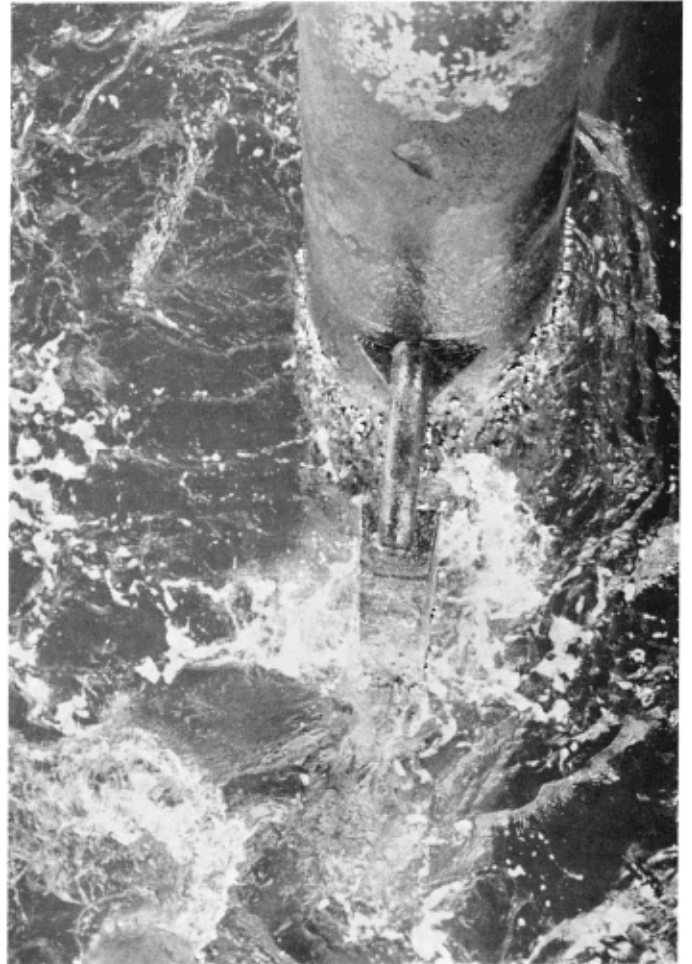
PHOTOGRAPH C

FX-70-3 HYDRO-ESTER TROWEL GRADE

This 100% solids water insensitive epoxy system was used to bond the FX-70® HYDRO-ESTER JACKETS to the members to be protected.



PHOTOGRAPH D

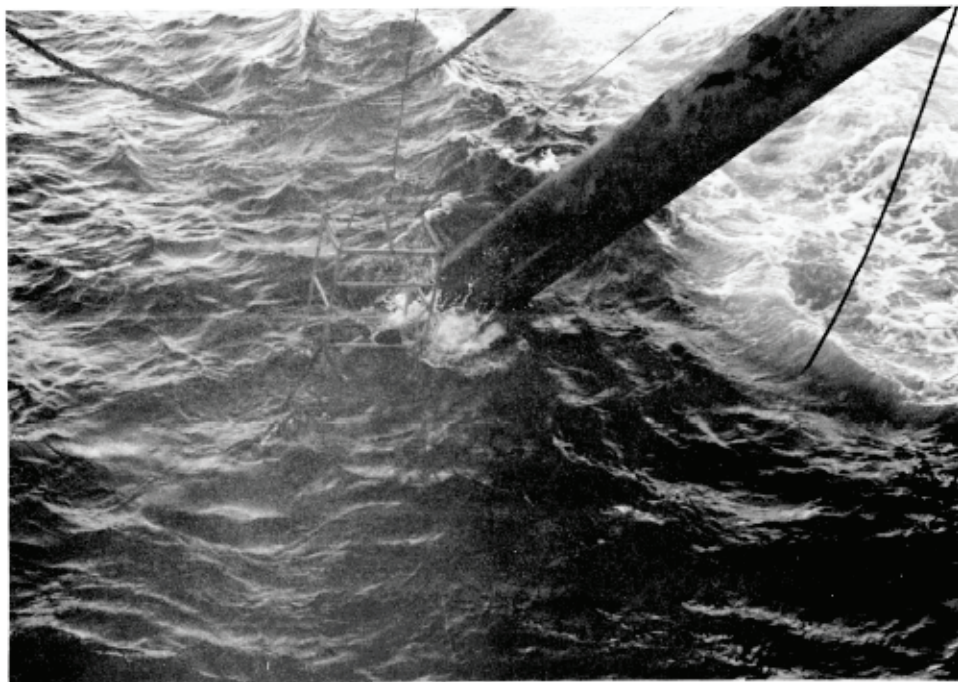


PHOTOGRAPH E

FIELD MODIFICATIONS

The anode pipe supports (Photograph E) were located in the zone scheduled for encapsulation. Modifications were easily made to the FX 70 HYDRO-ESTER JACKETS in the field with common carpentry tools to provide for interruptions (Photograph D).

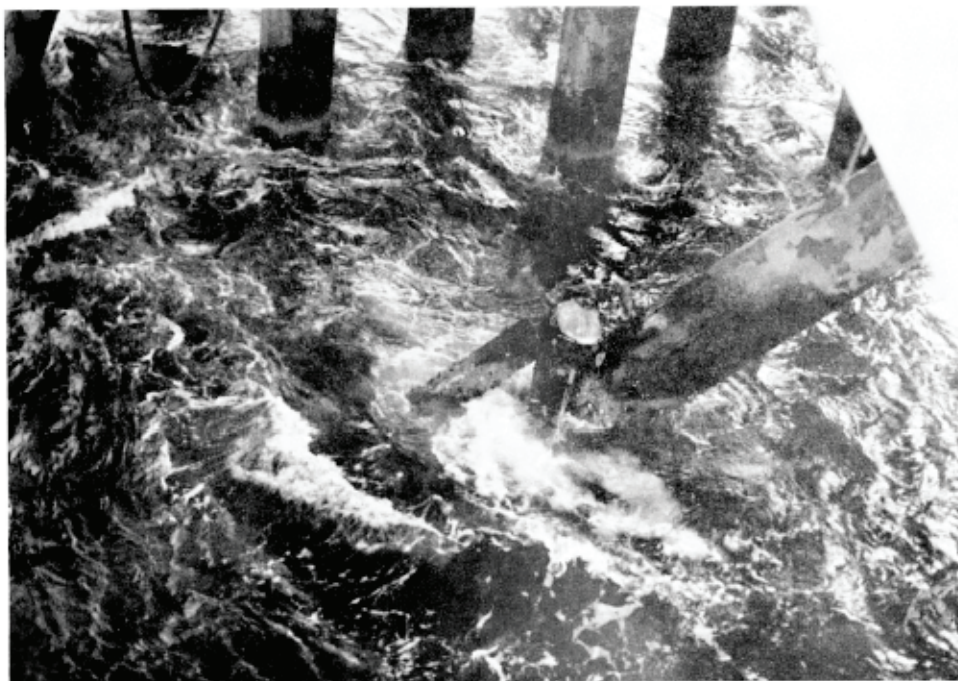
The FX 70 SYSTEM is especially suited for adapting to cross bracing and other interruptions that are typical in the splash zone area.



PHOTOGRAPH F

SURFACE PREPARATION

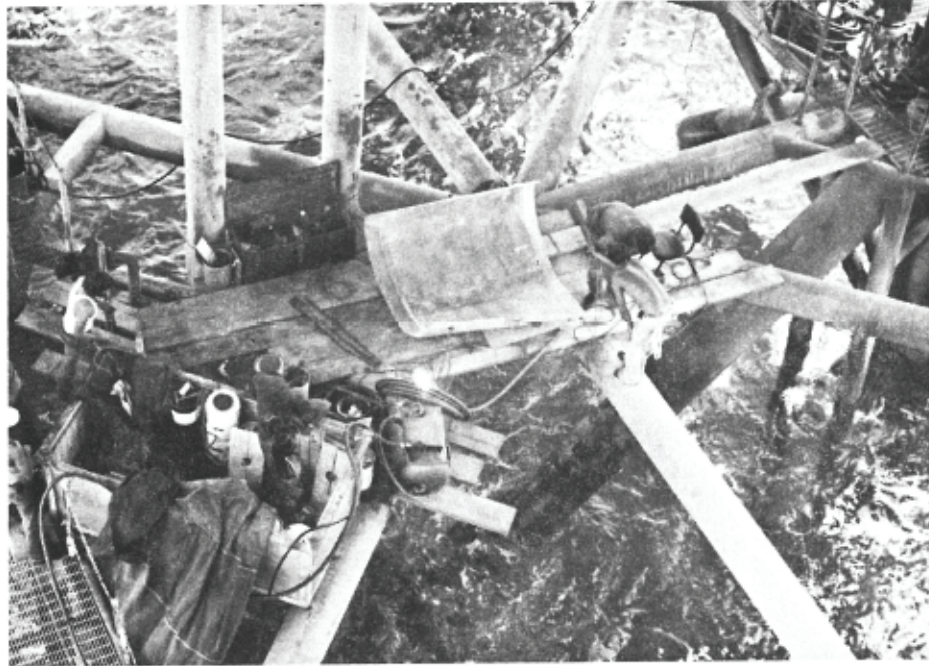
Encrustations and loose rust were removed by water blasting.



PHOTOGRAPH G

FIELD MEASUREMENTS

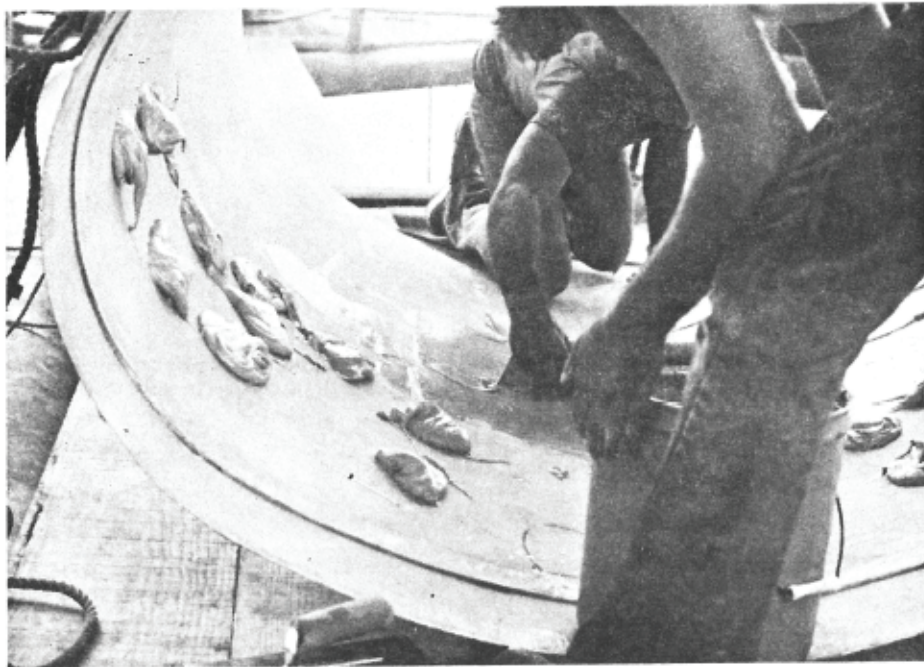
Measurements were taken at each location for fitting around anodes.



Photograph H

FINAL PREPARATION

FX 70 HYDRO-ESTER JACKETS are easily handled in the field. Jackets are easily spread for application of bonding material or encapsulation of member to be protected.



Photograph I

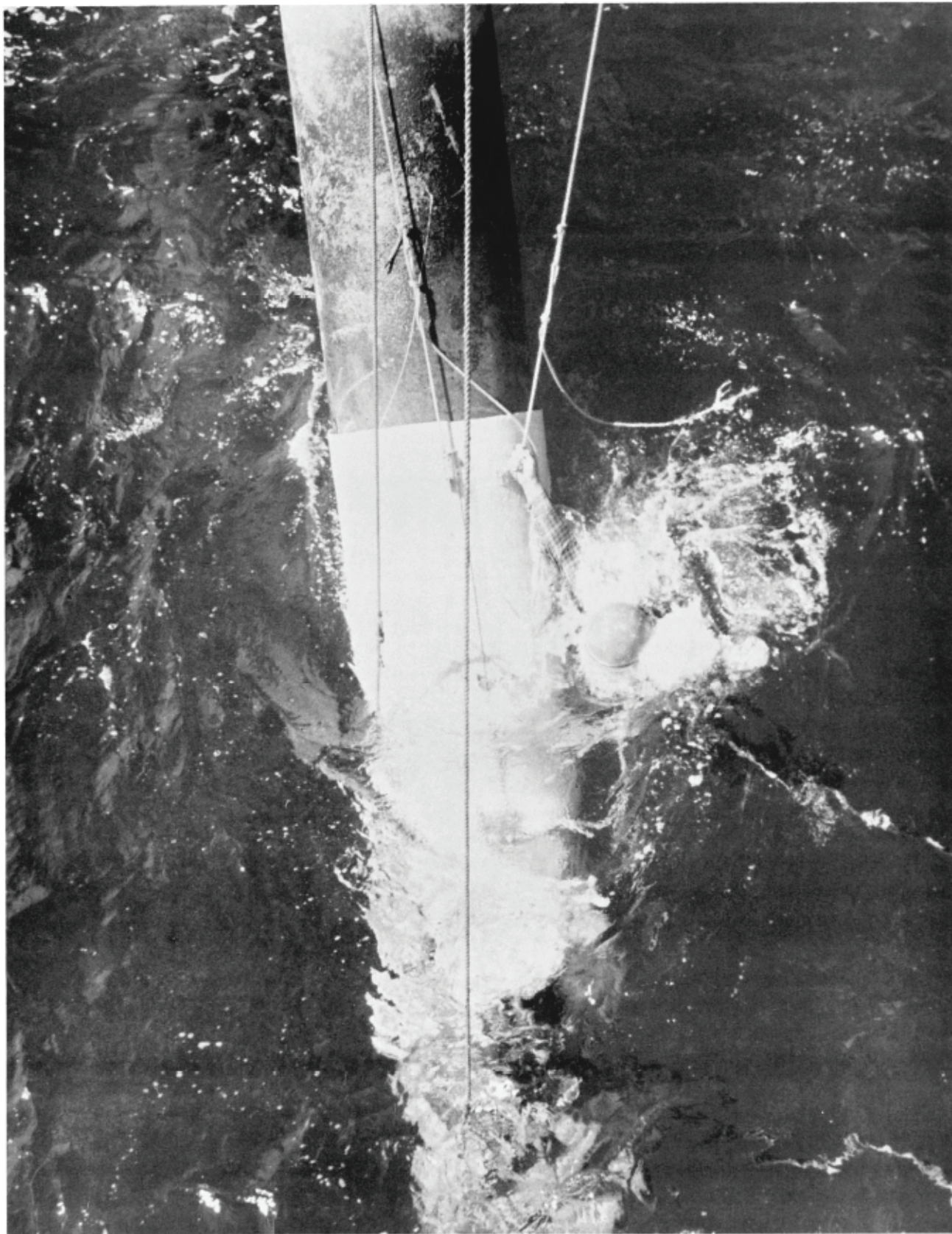
FX 70-3 HYDRO-ESTER TROWEL GRADE is applied to the entire surface of the JACKET.



PHOTOGRAPH J

POSITIONING FX 70 HYDRO-ESTER JACKET

Installation time in the difficult wave band is reduced with the FX 70 SYSTEM.



PHOTOGRAPH K

PERMANENT SPLASH ZONE CORROSION PROTECTION

Divers release down lines and secure JACKET in final position.