

TCHATAMBA MARINE-1 FIELD, GABON:

FSO Madiela Spread Mooring



Scope of Work

SOFEC designed and supplied the 12-leg anchoring system and deckmounted equipment including chain supports and jacking system for a permanent spread mooring system for installation on a MODEC converted 139,000 dwt FSO vessel. The FSO is located at Marathon's Tchatamba Field offshore Gabon in 55m water depth.

This SOFEC spread mooring system is ABS classed.

General Description

Client Name: Contract Award: Installation Date: First Oil: Vessel Size: Storage Capacity: Water Depth: Marathon Petroleum Gabon March 1997 January 1998 August 1998 139,000 dwt 760,000 bbls 55m (179ft)

Design Environmental Criteria (100-year storm)

Significant Wave Height: Wind Velocity: Current (surface): 4m (13ft) 12m/s (23.3 knots) 1m/s (1.9 knots)

Mooring System

Spread Mooring: 4 groups of 3 legs each: 3.5-in. ORQ studlink chain 3.75-in. 6-strand wire 18mt Drag anchors