‘PETRONIUS’ Update

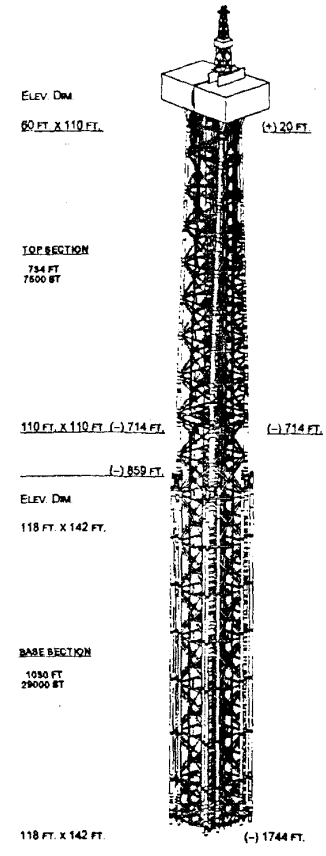
Trevor Mills
J. Ray McDermott, Inc.
Houston, Texas

ABSTRACT

At the 22nd UJNR Marine Facilities Panel meeting held in New Orleans, a tour was conducted to the McDermott offshore fabrication facility in Morgan City, LA. A presentation was given on the construction of a compliant tower type structure for Texaco Exploration and Production Inc. A tour around the facility allowed the Panel to view both sections of the tower just at the fabrication completion stage. This video presentation shows the transportation and installation of this tower in Viosca Knoll Block 786 in the Gulf of Mexico. A profile of this project and an artist concept of the installed tower is attached.

PETRONIUS
Compliant Tower

Client:	Texaco Exp. & Prod. Inc.
Location:	Viosca Knoll 786 Gulf of Mexico
Water Depth:	1,754 feet
Contractor:	J. Ray McDermott, Inc.
Award:	July, 1996
Completion:	October, 1998
Project Mgr.:	Dave Fangue
Customer Partners:	Marathon Oil Company
Prod. Capacity:	60,000 b/d Oil 100 mmcfd Gas
Sales Pipelines:	16" Oil Line 12" Gas Line



PROJECT PROFILE

Scope:

- Contract for design, fabrication and installation of the Petronius tower. The contract also includes transportation and installation of the topside facilities.

Description:

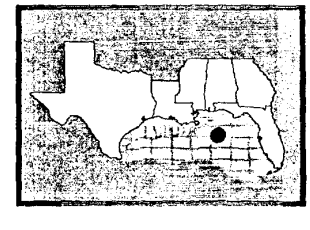
- Project Management efforts are located in engineering offices and operation locations.
- Detail design and construction engineering assistance for JRM operations were performed by JRM engineering groups in Houston and New Orleans.
- Fabrication of the tower components are being performed at JRM's Morgan City facility:
  8,000 s.t. - piles and conductors
  36,500 s.t. - tower sections and subsea templates
- JRM Marine is utilizing DB-50 for installation of the tower foundation, tower sections (2 pieces) and topside facilities.

Technology:

- Deepest bottom founded offshore structure
- Designed to flex with the forces of various environmental loads

Innovation:

- Unique design that requires less steel than a conventional fixed platform
- Alternative to other field development methods (I.e. spar, subsea, FPS)



J. Ray McDermott, Inc.
801 N. Eldridge Street, Houston, Texas 77079
Telephone: (281) 870-5000