# Baker Hughes Centrilift Subsea Booster Systems Chosen for Cascade and Chinook

Claremore, Oklahoma, April 1, 2008: Baker Hughes Centrilift has been awarded the contract for six seabed electrical submersible puming (ESP) systems and the associated topsides ESP Management System from FMC Technologies Inc., the prime contractor for the subsea production equipment and pumping systems for Petrobras America's Cascade and Chinook subsea development project in the deepwater Gulf of Mexico. The systems are the first seabed horizontal ESP booster systems planned in the Gulf of Mexico.

The horizontal ESP booster station design places the ESP system on a permanent base on the seafloor, providing ease of system change out. This design allows an operator to configure systems for redundancy and increase overall availability.

The horizontal ESP boost systems will be part of the overall subsea development project provided by FMC Technologies for Cascade Chinook, which is located in the Walker Ridge area of the Gulf of Mexico in an average water depth of 8,500 feet. This project is the first major full field development executed by Petrobras in the United States.

ESP booster systems offer several advantages over alternative methods, including: 1) Deployment from a wide variety of vessel types 2) Redundant design elements for enhanced reliability 3) Easily adaptable with existing infrastructure. All of these features provide operators economic solutions to maximize production from subsea fields.

Centrilift, a division of Baker Hughes, is a leading provider of electrical submersible pumping (ESP) systems and services to the global petroleum industry. Centrilift also designs, manufactures and markets progressing cavity pumping (PCP) systems and surface pumping systems.

Baker Hughes is a leading provider of drilling, formation evaluation, completion and production products and services to the worldwide oil and gas industry.

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