

2000 hp Modular Rig Upgrade



*Houston, Texas
October, 2003*

NAUTILUS CONTRIBUTION: Project Manager (March to October, 2003)

OBJECTIVE:

Upgrade and refurbish a 2,000 hp drilling rig for ConocoPhillip's Indonesian field development.

PROJECT:

Nautilus was commissioned to upgrade and refurbish a 2,000 hp platform rig to develop ConocoPhillip's Indonesian oil and gas fields. Nautilus designed and oversaw the project from start to finish. Many new design features went into the rig to enable a high degree of operating efficiencies. Light-weight quarters were designed and built, a new solids control system was designed along with a skidding system that allowed the entire rig to move from well to well.

DELIVERABLES:

- ④ **Phase I: Define the Scope of Work.**
 - Identify the ideal drilling unit design.
 - Compile a scope of work to upgrade the rig.
- ④ **Phase II: Mobilize and Refurbish.**
 - Move the rig from Louisiana to Houston.
 - Coordinate refurbishment.
- ④ **Phase III: Upgrade**
 - Design upgrades to enable high operating efficiencies.
 - Oversee the fabrication and testing of the upgrades.
- ④ **Phase IV: Mobilize to Indonesia and erect on platform.**
 - Identify the ship to move the rig overseas and plan the load-out.
 - Coordinate the mobilization on and off the ship and out to the platform.
 - Erect and test the rig on location

RESULTS:

Rig 803 was successfully upgraded and moved to Indonesia for ConocoPhillips. The upgrades allowed the rig to set world records for batch drilling the surface strings.

CONTACT REFERENCE:

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