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REAL RESULTS

# Shell's Introductory Trial of OverDrive™ System Proves Safety and Efficiency for Running Casing on Floating Rig

## Objectives

- Conduct a safe introductory trial on a floating rig of the *OverDrive* system with its TorkDrive™ 750 HD (heavy-duty) casing running and drilling tool.
- Prove the ability of the *OverDrive* system to serve as the primary method for running casing on floating rigs in the future.
- Achieve no-incident health, safety, and environmental performance.
- Avoid cross-threading of connections.
- Minimize the time required for the rig's drillers and toolpushers to become proficient in the use of the *OverDrive* system.

## Results

- Shell's first *OverDrive* system run (also the first *OverDrive* system run for any operator on a floating rig/semisubmersible) was successful, with no reportable incidents.
- No connections were cross-threaded.
- The operator's drillers and toolpushers were running up to 16 joints per hour by the third hour of operation.

**Client**
Shell Malaysia Exploration & Production

**Location**
Nosong field, Sabah Water, Malaysia

**Well Type**
Exploration

**Rig**
Atwood Falcon semisubmersible

**Top Drive**
Varco TDS-4H with PH-60

**Hole Size and Angle**
12 1/4-in. vertical

**Casing Size and Type**
9 5/8-in., 47-lb/ft, P110 VAM® TOP® liner

**Length**
~2,000 ft (610 m)

**Products/Services**
- Tubular running services
- *OverDrive* casing running and drilling system:
  - *TorkDrive* 750 HD tool
  - TorkSub™ telemetric torque-turn monitoring system
  - JAMPro™ joint-analyzed makeup system
  - Integrated safety interlock system
  - Stabberless® single-joint elevator



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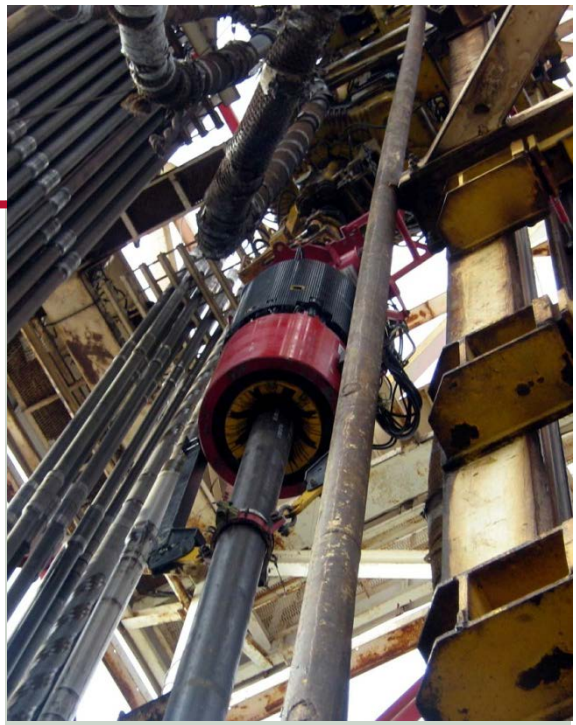
## Value to Client

- No reportable safety or environmental incidents occurred.
- Use of the *OverDrive* system reduced operational risks and costs by eliminating manually operated, moving equipment from the rig floor. The need for a stabber was removed, and the number of rig floor personnel was minimized.
- Training of Shell's drillers and toolpushers by Weatherford personnel minimized nonproductive time and expedited operations.
- The success of this trial provided the operator with a proven means of avoiding the dangers of manual equipment manipulation on a floating rig.
- This success also reassured Shell that, with proper planning and discussion, new technology can be introduced safely and effectively without compromising the well.



Weatherford's *OverDrive* casing running and drilling system features the *TorkDrive* tool, which greatly enhances safety by combining the functions of power tongs, elevator, fill-up circulation tool, weight compensator, and bails.

Use of the *OverDrive* system minimizes risk exposure by reducing crew size, including eliminating the need for the stabber. This technology provides faster tubular makeup and breakout without thread damage.

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