

# SEDCO 703

## INCIDENT PRESENTATION

### SERIOUS INJURY CASE

“Riser lifting cap dropped down suddenly and trapped IP’s right foot against FD-8 riser flange”

(Aug. 22<sup>nd</sup> , 2008)



## The Event – What Happened?

- At approximately 11:20hrs on Friday 22nd August 2008, an incident occurred on the rig floor of the Sedco 703 MODU. The riser lift sub was lowered to the riser pin and it became 'misaligned' and didn't fully engage/swallow the riser pin. Following instructions from Driller, a floorman stepped onto the riser pin flange to unlatch the elevators, placing his right foot between the flange and one of the dog housings on the lift sub. Once the elevators were unlatched, the 600kg riser lift sub dropped, fully swallowing the riser pin, trapping the floorman's foot



## The Consequences

- The floorman was assisted to release his foot from the crushing point and was taken on stretcher to the rig hospital where he was stabilised before being emergency disembarked to a Hospital for treatment.



Figure 2. Location Of Feet Between FD8 Riser Pin Flange & Lift Sub

# Contributing Factors

- FD-8 Riser is only use as contingency (if there are limitations with the MR-6C type riser inventory (Inspection / Maintenance, etc). *Note The primary difference between the two types of riser: the MR-6C riser connection has 3 inches of clearance between flange and dog housing. The FD-8 Riser connection has 3/4 of an inch clearance between flange and dog housing, therefore creating pinch point*
- Inadequate handover between personnel relieving each other throughout the operation. – The FD8 lift sub became 'misaligned' in a couple of previous opportunities through the operation and didn't fully engage the pin end of the riser. In the first instance the Toolpusher was covering for the drilling during the smoko and he utilized the link tilt to line up the lift sub correctly and in the second opportunity the same driller instructed a different floorman to unlatch the elevators
- Inadequate review and update process for Task Specific THINK procedures to capture significant changes on Hazardous operations such as running and retrieving riser: FD-8 Riser connection not being addressed on TSTP and not review at Crossover (MR-6C/FD-8) point
- Poor Judgment: IP's placement is clear indicator of poor hazard recognition, co-workers were also unable to observe unsafe behaviour and implement corrective measures **(Time out for safety)**

## Contributing Factors Cont...



Figure 3. Gap Between FD8 Lift Sub & Riser Pin Flange



Figure 4. Gap Between MR6 Lift Sub & Riser Pin Flange

## Root Causes

- Limitations to use of a MR-6C riser joints on the Sedco 703 based on inventory availability (inspection / Maintenance, Water Depth, etc)
- Incomplete or inadequate procedure
- Lack of management control over the review and update of Task Specific THINK procedures
- Inadequate communication between during handover for breaks and meals
- Failure of management of change process reflected on the driller utilizing a poor practice to handled the issue with the riser lift cap not seating correctly on the FD-8 Riser flange.
- Complacency and eagerness to complete task. (Driller and IP)

## Corrective Actions

- Review and update TSTP for riser running and deployment to ensure specific hazards and controls are addressed when using FD-8 riser
- Re-Focus START Monitoring and Safety Leadership through coaching and training of offshore personnel on hazard identification and change management
- Formally Communicate incident to all Sedco 703 Crew Members and ensure personnel understanding and commitment to prevent this incident from happening again on the rig
- Conduct engineering dimensional checks on FD-8 Riser Running tool to ensure fit for purpose
- Painted a Black/Yellow ring on the FD-8 Riser Running tool pinch point area (specially the lower part of the body and the bottom Circumference)

# Injured Person Perspective – Bryan Cooper

- How the incident affected me?
  - Immediately after the incident
  - During Medical Care (Darwin, Perth)
  - How affected my family...
- Where I'm at now?
  - Rehab / recovery (Emotionally, Physically, etc)
  - Goals in relation to getting back to work
- My perspective on Safety going forward...
  - Towards my own safety
  - Towards the safety of others



# End of Presentation

➤ Questions??

