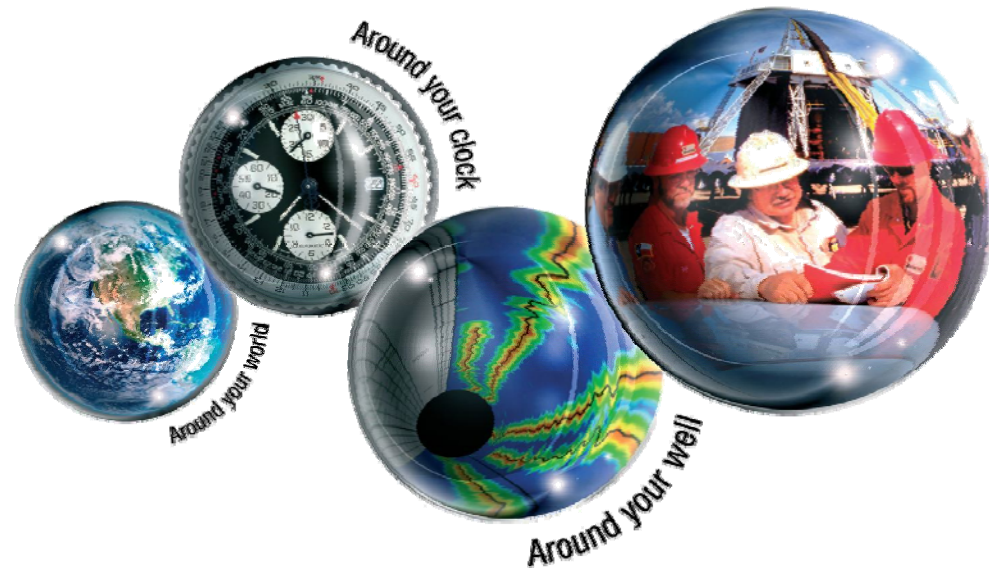




**Weatherford**<sup>®</sup>



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## Well Construction & Intervention

Generation of Stabbing Board Survey  
Drill Safe Forum 6<sup>th</sup> of September – Perth

Aaron Sinnott – District Product Line Manager - Tubular Running Services  
Weatherford Australia / New Zealand / PNG



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# Introduction

***A series of Stabbing Board near misses and Incidents early in 2006 Offshore in Australia lead to a immediate review of the Internal Systems and Documentation that's in place to manage risk.***

***This ultimately lead to a complete overhaul of our Casing Stabbing operations and It's supporting Safety Systems.***

***The findings of that review and corrective actions taken on our internal systems is what you will be briefed on today***



# Stabbing Board Incidents - Australia

## **Ocean Bounty – DODI – Conoco Phillips**

***Running 13 3/8 Casing***

***Casing Stabber not in correct position on the Board***

***Meeting held at Drill Floor to review Stabbing Board***

***Procedures on Ocean Bounty***

***Board was left in the “Out” Position whilst***

***unattended and Driller moved Blocks striking board***

## **Ensco 67 - Ensco – Roc Oil**

***Running 9 5/8 Casing***

***Difficulty closing Side Door Elevators – Personnel Changed***

***Out on Board***

***Board was left unattended in the “Out” position and Driller***

***moved blocks striking board***

**All within 3 Days of Each Other!**



# Incident Investigation

## **Ocean Bounty – DODI – Conoco Phillips**

- *Poor Body Position by Casing Stabber - Weatherford*
- *Procedure not followed / understood - Weatherford*
- *Procedure not followed / understood – DODI*

## **Ensco 67 – Ensco – Roc Oil**

- *Equipment Handling Issue – Weatherford*
- *Procedure not followed – Ensco*
- *Lack of Clear Communication*
  
- *All of which have JSA's, Procedures and Checklists in place that should prevent such incidents*



# The Plan!

## *What did we need to do?*

- 1. Confirm what systems were currently in place*
- 2. Cross Check with Drilling Contractor Systems and check for communication between the two*
- 3. Establish who was going to do it, where and when?*
- 4. Advise the operation and allocate resources*
- 5. Set the time frame (4 weeks)*
- 6. Compile the results / findings*
- 7. Revise Documentation*
- 8. Implement*



# Offshore MODUS Surveyed

***North Rankin Platform\****

***Mearsk Guardian***

***Jack Bates\****

***Ensco 102***

***Ocean Bounty#***

***Ensco 56\****

***Transocean 703***

***Atwood Eagle\****

***Ensco 67***

***Stena Clyde\****

***Ocean Patriot***

***Nanhai VI\****

- ***Stab Master System Installed\****
- ***# Stab Master Installation Scheduled***
- ***Scheduled Stab Master Installations and Stabbing Board Surveys on Songa Mercur and Songa Venus as well as other incoming and existing installations***



# The Documentation Reviewed

## Primary Documents / Systems Reviewed

- 1 Weatherford Offshore Work Instructions for Casing Stabbing Board Operations*
- 2 Weatherford Offshore Checklists for Casing Stabbing Board Operations*
- 3 Weatherford Training Programs and Competency Reconignition Programs*
- 4 Weatherford / Drilling Contractor JSA*
- 5 Weatherford Mechanized System Procedures and Operations*



# What we found!

## Weatherford Stabbing Board Work Instructions and Procedures

- ***To Generic – Rig Specific Work Instructions required outlining specific detail and requirements for certain Stabbing Board Functions and Derrick Entry (REVISED & IMPLEMENTED)***
- ***Inadequate communication or bridging between Drilling Contractor SMS and Weatherford SMS Stabbing Board Operations (REVISED & IMPLEMENTED)***
- ***Mechanized to Conventional - (IMPLEMENTED)***

## Weatherford Offshore Checklists – Pre and Post Operation

- ***Stronger detail required – Rig Specific (REVISED & IMPLEMENTED)***
- ***Communication of Weatherford – Drilling Contractor of Compliance (REVISED & IMPLEMENTED)***

## Weatherford Stabbing Operations JSA

- ***Link between Mechanized Operations – Conventional Operations (IMPLEMENTED)***
- ***Rig Specific Operations (REVISED & IMPLEMENTED)***



# What we found!

## Weatherford Training Programs – Competency Systems

- ***Rig Specific***
- ***Inadequate communication or bridging between Drilling Contractor SMS and Weatherford SMS Stabbing Board Operations (REVISED & IMPLEMENTED)***

## Weatherford Offshore Checklists – Pre and Post Operation

- ***Stronger detail required – Rig Specific***
- ***Communication of Weatherford – Drilling Contractor of Compliance (REVISED & IMPLEMENTED)***

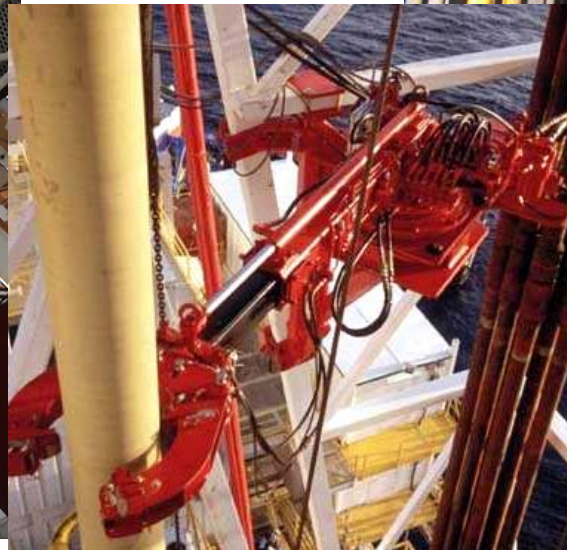
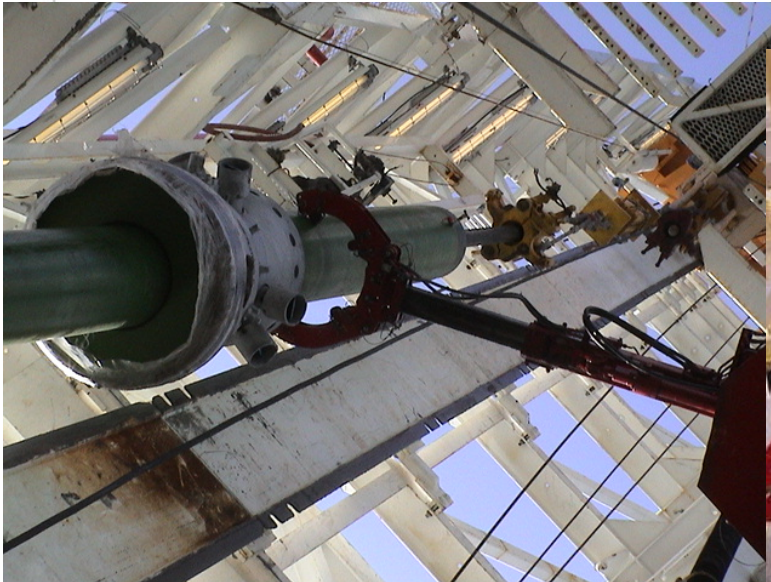
## Weatherford Stabbing Operations JSA

- ***Link between Mechanized Operations – Conventional Operations***
- ***Rig Specific Operations (REVISED AND IMPLEMENTED)***

# Mechanized & Conventional Systems

## Weatherford Mechanized Services Stab Master Systems

- *Bridging Documentation between Mechanized Systems back to Conventional System (Work Instructions / Checklists / JSA)*
- *Improved Competency Training for Casing Stabbing Operations*





# Next Step!

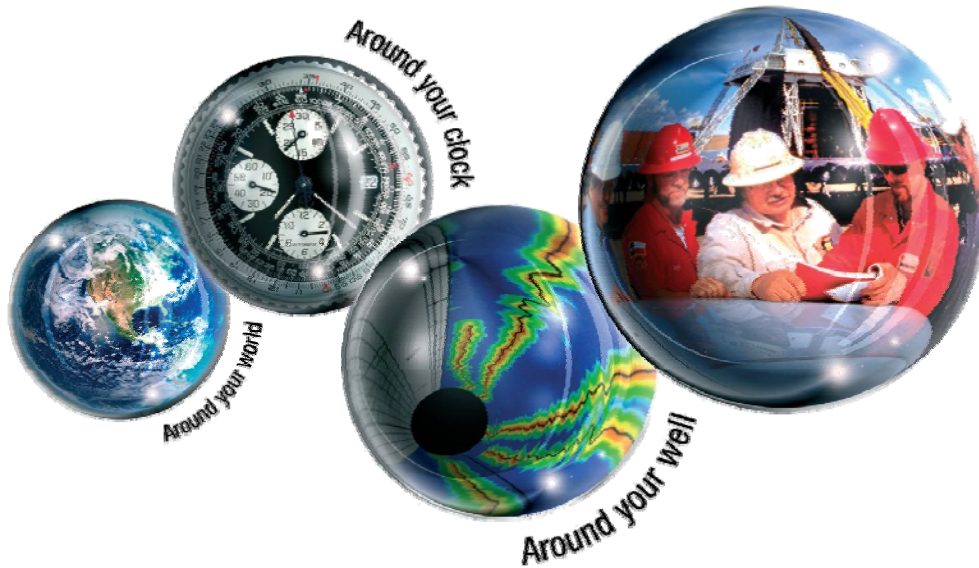
## *Weatherford Casing Running and Drilling Tool System*

- *Documentation Linking Conventional and Mechanized System*
- *Competency Systems*
- *Detailed Checklists*
- *JSA / JHA*
- *Work Instructions*



# Questions / Comments?

## Questions / Comments



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