

# High Arctic HSE PNG

Near Miss

Dropped Ring Spanner

22<sup>nd</sup> January 2008



Drillsafe – Perth 6<sup>th</sup> March 2008

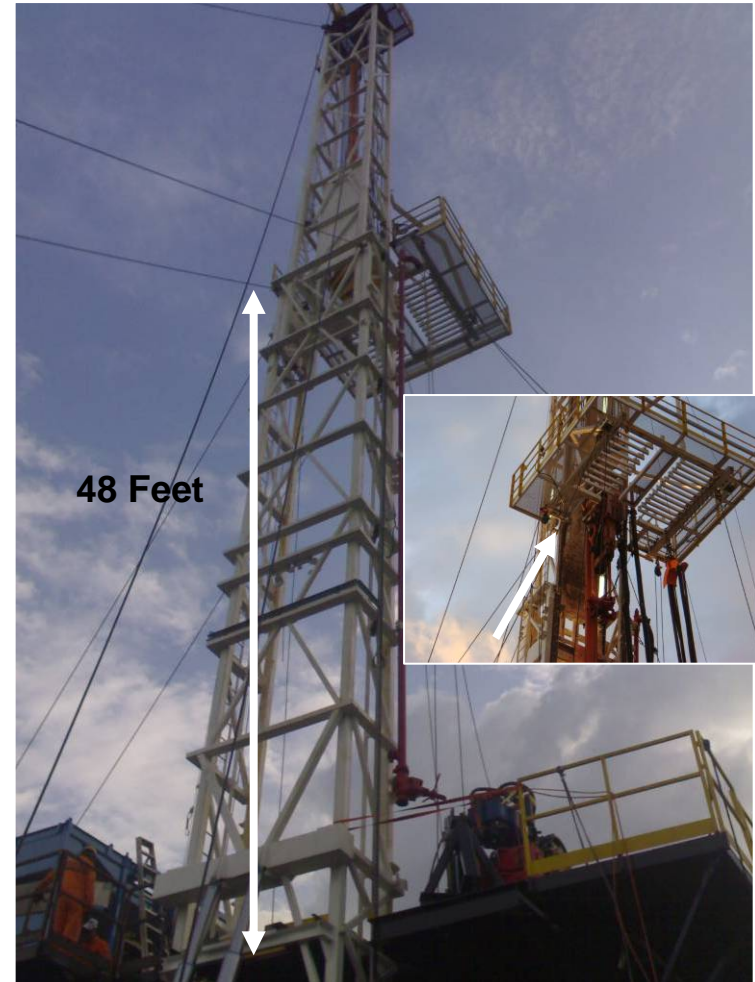


# What happened?

- The Derrickman was in the process of lowering the top section ladder and securing it in position with a 16mm open ring spanner
- The spanner was from the Drops Toolbox and it was secured to a web lanyard???
- The ladder was lowered and positioned for tightening.
- Before the Derrickman started to tighten the nut the Derrickman said the Speed Clip locking retractable device got snagged and opened

# Cont;...What happened?

- The open ring spanner fell approximately 48 ft to the rig floor.
- Driller witnessed the spanner landing on the rig floor
- A Permit to Work was in place.
- The “Tool at Height Register” was not completed



# Did the web lanyard fail?

- Speed clip end was attached to the tool
- The other end was attached to the Derrickman's harness



# It did fail but ????



Would you expect

- this quality of lanyard from a \$13,000 Drops
- Karibiner's tied on with knots
- Web lanyard loosely inserted through the speed clip eyelet that can easily slip out

# What do we know now?

- This was not a OEM Tool Lanyard
- OEM Tool Lanyards are fitted with screw type locking Karibiner's at both ends
- The spring loaded Karibineer came from a wire safety line used to secure lights at heights



# What do we know now?



- The web lanyard used for the tool lanyard was the shoulder strap for the tool bag
- The tool lanyard with locking Karibineer's was attached to the tool bag
- The Tool lanyard used failed but it was **home made**, the **wrong tool for the job** and certainly **not fit for purpose**.

# What else do we know?

- Although selected as a precaution in the PTW raised – there was no prior inspection. Speed clip could easily back out through eyelet.
- The Drops Tool Bag was available but not used.
- Procedures were not followed.
- The JSA written made the Derrickman responsible for checking his gear before going aloft. He was the person doing the job.

# Root Causes

- Human Intervention – modified OEM equipment.
- Procedures not followed
- Speed clip opening allowing spanner to fall to the rig floor
- Behaviour, Behaviour, Behaviour

# Corrective Actions

- Home made lanyard removed from service.
- Held Awareness sessions with both crews on site about the incident and the use of the Drops Tool Box.
- Developed and assigned responsibilities within the Drop Program.
- Ordered new tool lanyards

# Thank you

## Q AND A TIME



**STOPDROP TOOLING** - tools designed for safe **work at height**