

GDI Incident Presentation # 2



Incident Date: 20-Apr-11

Incident Class: Near Miss

Rig Name: Al Khor

Person: Electronics
Tech

Client: Shell

Incident Description

The operation was drilling 36” hole. When it became impossible for the TDS to rotate drill string and the Amphion system was recording high torque values, the drilling crew pulled out of hole to the top of stand from bottom and backed out the TDS from the drill string. The ET was called to the driller’s cabin to assist in troubleshooting the TDS failure. The ET was hoisted about 15ft from the rig floor with the man riding winch to top of the TDS to observe the action and function of the TDS encoder timing belt and pulley, with the TDS rotating at 2 rpm (for approximately 3.5 minutes) as directed by the ET.

Incident Description continued

As he was being hoisted upward from top of TDS after the check, the safety boot got stuck against TDS member, slipped off his right foot and dropped on the swivel opening on the TDS (see picture below). He quickly shouted “ALL STOP” and the TP immediately stopped the TDS rotation. He was then lowered to the point where he recovered his safety boot from the swivel opening and thereafter, he was brought down to the rig floor. There was no injury to personnel or damage to any property.

Picture Illustrations



ET's initial position while observing the TDS encoder timing belt & pulley.

Picture Illustrations



The leg position before he was hoisted.

Picture Illustrations

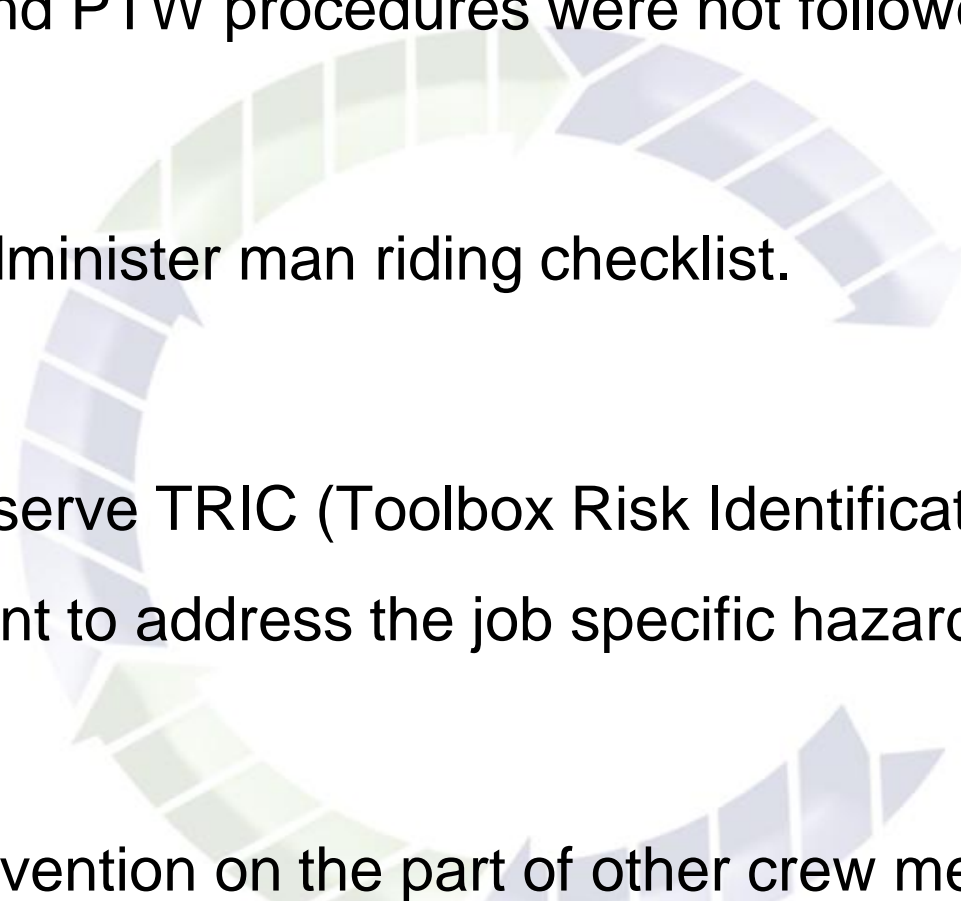


Supposed position of the safety boot after it came off his foot.

Immediate Causes

- Using a riding belt while TDS was being rotated.
- ET wore another person's pair of safety boots (size 8) which were over size for him as he originally wears size 6.

Underlying Causes

- Man riding and PTW procedures were not followed.
 - Failure to administer man riding checklist.
 - Failure to observe TRIC (Toolbox Risk Identification Card) process meant to address the job specific hazards.
 - Lack of intervention on the part of other crew members.
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Correction Actions Taken

- Reviewed incident at crew HSE meetings to include; JSA, PJSM, PTW, PPE, and TOFS.
- Conduct refresher awareness trainings for crew members on riding activities and particularly with the drilling crews.
- Supervisors to take initiative to ensure compliance with policies and procedures.
- Cascade learning points to all other rigs in company fleet by issuing a “HSE Alert”.
- Reinforced Management’s authorization for anyone to STOP the job whenever it is considered to be unsafe.



THANK YOU