



Safety Alert

From the International Association of Drilling Contractors

ALERT 06 – 05

DROPPED BUSHING RESULTS IN AMPUTATION OF TOES

WHAT HAPPENED:

Operation at the time of the incident was pulling out of the hole with BHA and the Injured Person (IP) had just arrived on the rig floor to assist in the operation. A stand consisting of 2 DC and a hydraulic jar accelerator were being pulled through the rotary table when he arrived. The IP was standing with his left foot back on the non-skid mat and his right foot partially on the rotary. He was watching the driller waiting for him to signal to set the slips. The driller slowed the pulling speed as the jars came into the rotary table. The exposed mandrel of the accelerator came through the rotary but the lower squared shoulder of the outer body hung up on the underside of the inner bowl which were locked into position, thus lifting the master bushing approx. 6" –8". The sound of the accelerator contacting the bushings appeared to startle the IP who attempted to step backward quickly. He lost his footing, falling on the rig floor and thrusting his foot forward and under the bushings. Simultaneously the bushing fell to it's normal position trapping the IP's right foot. The IP's foot was trapped underneath the bushing, damaging his steel toe safety boot and amputating two of his right toes. The IP was treated on board and was subsequently Medevac onshore for further medical treatment.

WHAT CAUSED IT:

- The IP was not fully aware of the operation on the rig floor and the hazards associated with the operation.
- The JSA did not adequately address this specific hazard.
- The supervisor and co-workers did not ensure that the IP was instructed about the work on going.
- The IP was looking in the wrong direction to see what was happening.

CORRECTIVE ACTIONS: To address this incident, this company issued the following directives to rig personnel:

- ALL SUPERVISORS to ensure that when new persons enter the work place, the JSA MUST be reviewed with him.
- All Drillers to ensure that no one is to start to work on the rig floor without being briefed by the Driller.
- All JSA's to note: 1) the possibility of square shoulder tools becoming caught causing the bushing to be lifted and 2) everyone to be well back of the rotary until such tools are brought through.



The Corrective Actions stated in this alert are one company's attempts to address the incident, and do not necessarily reflect the position of IADC or the IADC HSE Committee.

This material is presented for information purposes only. Managers & Supervisors should evaluate this information to determine if it can be applied to their own situations and practices

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