



Worker pinned between stump and iron roughneck POTENTIALLY SERIOUS INCIDENT

Description:

A rig crew was making up the bottom-hole assembly (BHA) with a third-party worker. The iron roughneck was inadvertently activated from the doghouse, extending it forward and pinning the third-party worker against the stump.

The rig crew activated the emergency stop and the iron roughneck was retracted, releasing the injured person. The onsite medic assessed the injured person who had sustained a hairline fracture at the pelvis and a contusion to the leg. The worker was taken to the hospital.

Lessons Learned:

The iron roughneck had been moved from another rig, and the warning light and alarm had been removed for transport but not re-installed.

The iron roughneck was inadvertently activated with the 'sequence' button, which is seldom used. Safety meeting was held to review the job safety analysis (JSA) for handling BHA and the exclusion zone was reviewed.

An additional safety meeting was held, including the third-party worker, to review the tool-specific JSA.

Life Saving Rules:

This safety alert relates to the following Life Saving Rules:



ENERGY ISOLATION



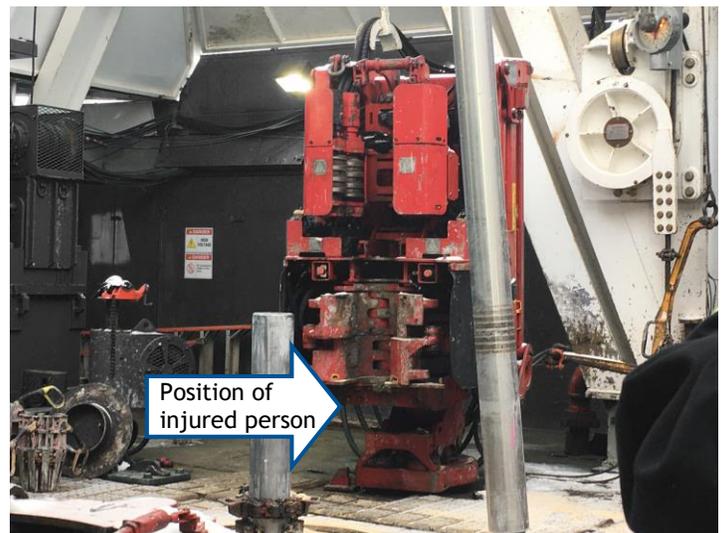
BYPASSING SAFETY CONTROLS



LINE OF FIRE

- The iron roughneck was not de-energized.
- The audio and visual alarms had been removed.
- Awareness of line of fire zones.

Learn more about theses [Life Saving Rules](#)



Contributing Factors:

- The worker hit the sequence button and inadvertently activated the iron roughneck
- The iron roughneck had not been de-energized when not in use.
- Manufacturer-supplied visual and audible safeguards were not installed on this piece of equipment.
- Safety meetings were held to review the line of fire hazards.

What did they learn? What were the recommendations?

- ‘Sequence button’ has been disabled to prevent it from activating the iron roughneck. Operation is now only done from the rig-floor controls.
- A beacon light and audible alarm have been installed to indicate when the iron roughneck is operating.
- Inspection procedures are being updated to include function testing the iron roughneck’s audible and visual alarms.
- The JSAs’s are being updated to verify the iron roughneck is isolated during activities it is not required for (e.g. handling BHA, running casing, drilling ahead, etc.).
- Line of fire area between the iron roughneck and the stump is highlighted with high visibility matting.
- All parties must be present for the safety meeting to review the relevant JSA(s).

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