



Safety Alert

From the International Association of Drilling Contractors

ALERT 06 – 43

FAILURE OF SAFETY DEVICES ALLOWED CASING STABBING BASKET TO FALL TO RIG FLOOR

WHAT HAPPENED:

While the rig crew was running a bottom hole assembly into the hole, the casing stabbing basket (CSB) fell to the rig floor and toppled over. As it tipped over, the Casing Stabbing Basket contacted a de-energized electrical cable, which in turn pushed a floorhand to the rig floor. While the floorhand was not struck directly by the Casing Stabbing Basket, he did experience two lacerations to the head; one on the forehead and the other on the top of the head. The crew assisted the floorhand from within the confines of the Casing Stabbing Board and to the rig doghouse where the crew administered first aid. The floorhand was transported to the local medical clinic where the wounds were sutured. The floorhand was subsequently seen in an emergency room for further evaluation and received a work release.

WHAT CAUSED IT:

1. The Casing Stabbing Basket winch cable broke:
 - Due to extremely high winds over several days, the cable which raises and lowers the CSB, rubbed against a piece of angle iron. The rubbing eventually frayed the cable until it broke.
2. The Line Break Safety System did not engage.
 - When the CSB began to fall the springs that should have applied tension and make the safety dogs engage failed.
3. The CSB parking brake did not engage.
 - The parking brake spring was missing.

CORRECTIVE ACTIONS: To address this incident, this company did the following:

1. Modifications were made to the existing Casing Stabbing Basket to improve safety device function.
2. Specifics of Casing Stabbing Board (functional and safety) were added to pre-job inspection as referred to in the Rig Operating Guidelines for running all tubulars.
3. The derrick inspection checklist were modified to include the safety features of the Casing Stabbing Basket.
4. Training on operation of Casing Stabbing Baskets to be implemented.
5. Casing Stabbing Baskets and all its critical components will be added to the Preventative Maintenance Program being sure to specify frequency of inspections.
6. Develop rig operating guidelines specific to Casing Stabbing Baskets for the entire fleet of rigs.
7. Placards will be developed and posted that provide operating instructions and safety hazards while operating Casing Stabbing Baskets.

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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