

ROOT CAUSES

1. Hazardous body position - IE was standing in the line of fire between the skate and the stump with his back to the V door. This is considered a pinch point hazard
2. Hazardous operations and no visibility - stands of drill pipe were racked back into the derrick causing zero visibility for the skate operator to see the stump or anyone working on the floor while it was in operation. The Skate operator stood over by the first door into the dog house where he is able to see the pipe rack on the ground and have clear visual of it and the catwalk.
3. Poor Communication - A joint of casing was brought onto the floor to be staged for the next makeup prior to there being communication with those on the floor to be aware of operation.

CAUSAL FACTORS--Should Reflect How and Why An Incident Occurred

1. The line of sight from the skate operator to the rig floor operations was blocked by drill pipe racked in the stands.
2. The IE while waiting to set the slips around the string of casing had his back turned to operations with the V-door and skate.
3. There was no communication between the skate operator and the casing hands working on the rig floor.

CORRECTIVE ACTIONS

1. Safety stand down for all Grand Junction employees to include debriefing on IE incident and injuries and to review safety alert. Completion date: 11.23.2018
2. The investigation and all details to injury along with corrective actions will be educated to all employees in company by mandatory safety meeting in December. Completion date: 12.28.2018 and all incoming personnel.
3. For safety and communication when operations are not visible by all parties involving personnel and equipment on the rig floor, hand signals will be used. This person/ position will be determined at the beginning of the job in the safety meeting and listed on the JSA. This may require an extra person on the rig floor as needed to facilitate this requirement. Completion date: On next surface casing run.
4. Revision to casing SOP to list job duties, tasks and hazards of work positions while working on rig floor. Completion date: 11.26.2018
5. For the month of Dec. 2018 Field Safety Manager conducted pre-job tailgate meetings at the company's warehouse, prior to every casing job being conducted. FSM observed casing crew in the field on all casing jobs.
6. Mentored Senior Employees on the importance of field training and mentoring their crews on all operations. Focused on SSE and new to industry employees.