

Lucas Rig 151 Fatality

Preliminary Learnings

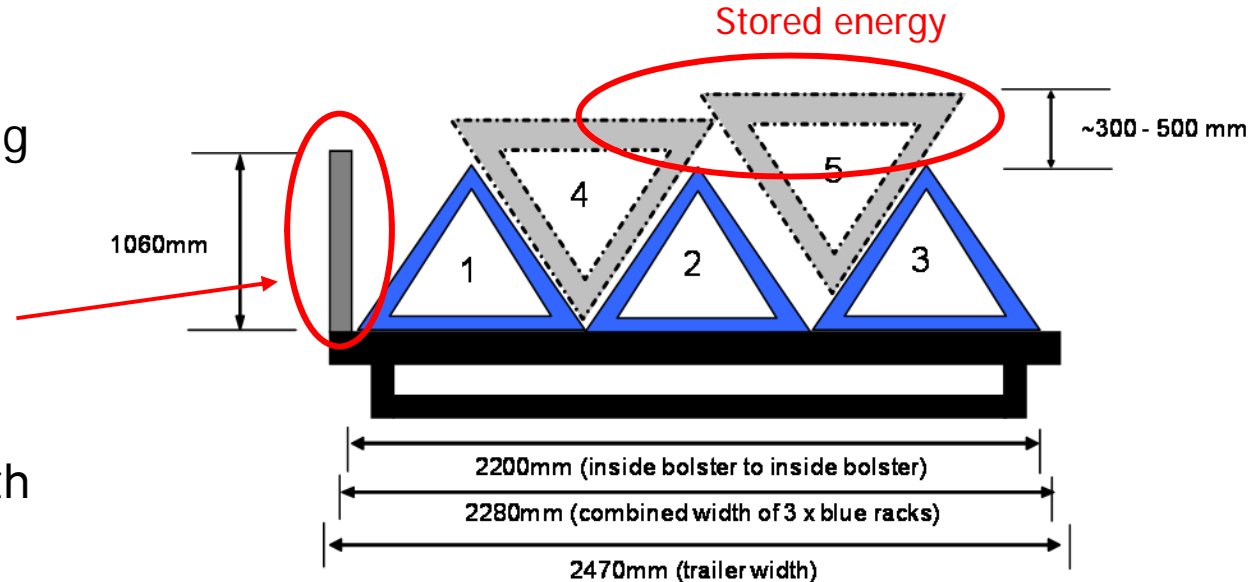
Santos

28 August 2009

Incident Summary

Pipe racks were transported as part of rig move

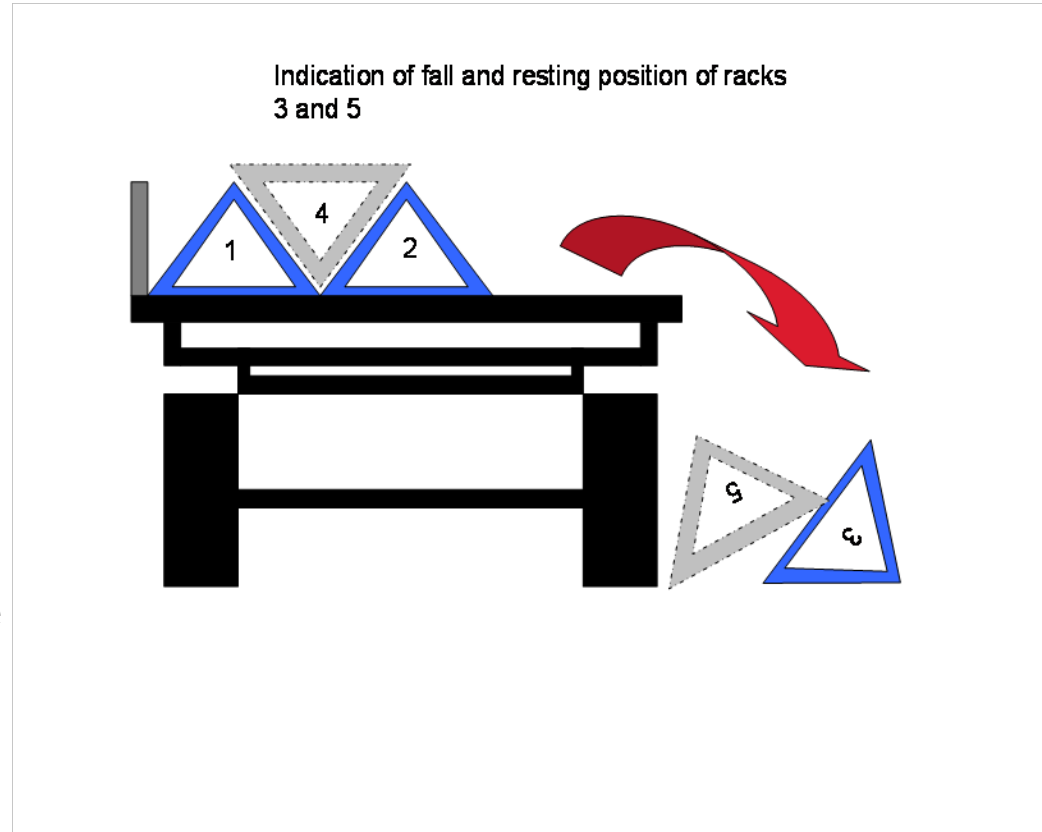
- 5 pipe racks were loaded onto trailer
- Racks were of differing dimensions
- Bolsters were placed on one side of trailer only
- Base load secured with 2 chains
- Top load secured with 1 further chain



Incident Summary

Preliminary findings: Load configuration resulted in stored energy, and inadequate restraint during the unloading process resulted in a fatal injury

- No secondary load restraint in place
- The chains were all released at same time
- Weight of top racks forced 2 racks off trailer
- The Driller was standing in the danger zone, was hit and pinned to the ground
- He died in an ambulance en-route to Injune Hospital



Critical Factors

The critical factors are those that if they weren't present, the incident would not have occurred. The critical factors were...

1. Load configuration
(resulting in stored energy that was not managed)
2. Removal of all load restraints
(no secondary load restraint in place)
3. Personnel in danger zone

Preliminary Learnings

- Institutionalise load design and restraint guidelines, underpinned by appropriate risk assessment and training
- Recognise the critical importance of safety leadership and the use of safety tools by all personnel:
 1. Safety intervention
 2. Job Hazard Analysis
 3. Safety hold points in procedures

Immediate Recommendations

The following actions have been identified for follow up by appropriate parties...

- Ensure a safe system for load configuration, securing and quality assurance/control checks in accordance with the National Load Restraint Guidelines, including:
 - Immediate review of risk assessments and procedures relating to the loading, transport and unloading of equipment and goods
 - Appropriate training of personnel participating in loading and unloading
 - Implementing a load master role

- Monitor and review the use of Job Hazard Analysis/Stepback