Fall Prevention Campaign
by
J.D. Danni
Wyoming Workers’ Safety OSHA
OSHA’s Fall Prevention Campaign

- Falls are the leading cause of death in Construction
  - In 2010, there were 264 fall fatalities out of 744 total fatalities in the Construction Industry
- Falls can be prevented through 3 simple steps:
  - PLAN
  - PROVIDE
  - TRAIN
OSHA’s Fall Prevention Campaign

- **PLAN**
  - Plan ahead to get the job done safely:
    - Decide how to do the job
    - What tasks will be involved
    - What safety equipment is needed
  
- Job Hazard Analysis (JSA)
OSHA’s Fall Prevention Campaign

- PROVIDE
  - Provide the right equipment:
    - Have fall protection available
    - Have the right kind of ladders, scaffold and safety gear
    - What safety equipment is needed

- TRAIN
  - Train everyone to USE the equipment:
    - Understand proper set-up, use, and care
    - Train workers in Hazard Recognition
OSHA’s Fall Prevention Campaign
OSHA’s Fall Prevention Campaign
Wyoming Oil and Gas Fatalities

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>Investigated by WYO-OSHA</th>
<th>Oil and Gas Related</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>19</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>2010</td>
<td>34</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>2011</td>
<td>TBA-2012</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

Fatalities in the Wyoming Oil and Gas Industry - 2009-2011

**January 5, 2009** - Employee tripped/fell & struck his head on something on the rig floor while skidding.

**July 20, 2010** - Employee removing casing caps and pipe rack collapsed crushing victim.

**January 5, 2011** - Employee struck by drilling mud when stand-pipe valve failed.

**February 2, 2011** - Employee fell 60+ feet climbing down the derrick ladder – climbing assist failed/not wearing sala

**August 29, 2011** - 3 employees were installing a flow lines from a tank battery to a heater-treater when the tank exploded.
Wyoming Oil & Gas Fatalities by Event (2003 to 2011)

- Contact with Object & Equipment (struck, caught-in, pinned) – 48%
- Fall – 19%
- Fire or Explosion – 16%
Wyoming Oil and Gas Related Fall Fatalities

- After tripping the hole and as the floor crew prepared to change the drill bit, the derreckman started down the ladder using only the ladder climbing assist. While on the ladder, the derreckman reached the goose neck and fell approximately 65 feet landing on the doghouse.
Arrow indicates location on derrick where the employee fell from the ladder.
Goose neck location approx 65’ above the floor.
Top Arrow showing attachment point for the ladder assist pulley system. Bottom arrow showing counter weight for ladder assist.
Photo of ladder from the floor –to-boards-to-crown.
Fall in Substructure

View of opening between conductor pipe and mouse hole pipe while standing on grated walkway and facing west on rig 455.

View of cellar with conductor pipe and mouse hole pipe while facing southeast at ground level in the substructure rig 455.
Fall in Substructure

View of cellar as you walk by at ground level in the substructure of rig 455 while facing southeast.
Upcoming Training Classes for 2012

- Oil & Gas Drilling Class
  - Newcastle – July 18th
  - Rawlins – September 12th

- Oil & Well Servicing Class
  - Newcastle – July 19th
  - Rawlins – September 13th
Upcoming Training Classes for 2012

- 3-Day General Industry Safety & Health Class
  - Casper – June 26th – 28th
  - Cheyenne – August 28th -30th
  - Gillette – October 23rd – 25th
  - Rawlins – December 11th – 13th

- 10 Hour Construction & Trenching Class
  - Green River – August 22nd – 23rd
  - Jackson – October 3rd – 4th
  - Riverton – November 14th – 15th

All This Training is Free
Worker Safety - Cheyenne  (307) 777-7786
Workers’ Safety Home Page - (OSHA) -
www.wyomingworkforce.org
Thank You

Any Questions?

??????????