

Lessons Learned: Dropped Object

Traction: IR-3143950

P&A Cement Annulus Top Out – Wyoming, Moxa OC Wells



What Happened: Following a P/A with service rig, a top off cement job was conducted. The crew ran 200 ft of 1" tubing into the 4-1/2" x 8-5/8" casing annulus by hand. The tubing plugged while running in hole and had to be pulled. A fork lift was used to pull the tubing using a 1" x 2" swedge x 2" wing half hammer union as the "Lift Nubbin". A web style sling was choked below the 2" hammer union. One 20 ft joint was pulled and laid out. On the 2nd joint the 2" wing half backed off the 1" x 2" swedge after pulling ~10 ft. The tubing dropped in the hole. The 14 lb lift hammer union fell to the ground. Four people were within 7 ft of the object. Probably outcome was recordable.

What went wrong?

- Rig moved off before P/A was completed
- Ran 200 ft. of tubing by hand. Tubing weighed ~200 lbs
- Base plate was cut on location with "C" notch to land tubing, Not engineered.
- No proper slips, elevators or lift nubbins utilized
- Crew working under suspended load
- Improper lifting device (forklift)
- Improper rigging of chain and web sling. Chain looped back to itself. Web sling looped around chain
- Wing half back off 1" x 2" swedge
- Detailed investigation not done
- Decision made to repeat job after incident. Went back to work
- No one including BP WSL & Safety tech stopped the job.

Corrective Actions:

- Wells team conducted conference call to be clear on expectations going forward around lifting, having the right equipment for the job, and stopping the job.
- Directive given that no unapproved lifting devices will be used. Team will source the correct slips, elevators and proper lift nubbins for this type of activity.
- BP completions Supt will lead a brain storming session with his team to uncover other areas where we may be putting people at risk. This is to uncover the "we always did it that way" view.
- Verbal warning given to the WSL for the numerous failures to stop the job and not using the right equipment
- Verbal warning has been given to the Supt on the need to fully investigate all incidents prior to returning to work
- Hazard identification training is on going with the completion team. The drilling team will also complete this training
- WPM will investigate "Lift Leader/Rigging" for all WSL

WHAT MUST I DO?:

- Find out if you are doing top off cement jobs like this.
- Check for the use of fork lifts, back hoes, etc being used as "lifting devices"
- Check with your teams on "what else is out there like this"? Canvas your field!

Dropped object, 14 lbs



Resting place of dropped object, 14 lbs



Personnel positions when the incident occurred

Rigging attachment on the forklift used for lifting the 1 inch piping out of the well



For more info., contact Kent Corser 281-433-0093