



**Safety
First**

Dropped Object

Event description:

On January 11, 2022a worker was breaking off a solenoid on the A1 dry tree using a hammer when a 1.6 kg (3.5 lbs.) metal piece of a solenoid broke off and fell. The worker was on the crow's nest of the dry tree platform and was almost complete with the work as this was his last solenoid to change. The dropped object landed on the grating of the crow's nest (5 ft. below), then fell straight down and hit a flange under the crow's nest (10 ft. below), then fell at an angle down to the top of a scaffolding setup (40 ft. below), then fell at an angle in the opposite direction, coming to rest on the plus-10 deck grating. Three contractors were in the general area on the plus-10 deck, under 3 levels of scaffolding while working on the A1 well, approximately 10ft from where the object landed. Reference pictures on 2nd pg.

Barriers:

- JSA referenced risk of dropped objects from over-head, however the worker on the crow's nest did not know that there were 3 workers working on the A1 well on the plus-10 deck since they were under the scaffolding.
- The 3 levels of scaffolding provides a physical barrier from dropped objects from above.

Causes:

- A piece of the solenoid broke off and became a dropped object
- Insufficient communication between work groups at various levels in the well bay prior to re-commencing work after a weather delay

Actions / Learnings:

- Safety Stand down with crew, collected pictures and statements of the incident
- Share one pager of incident after internal investigation and synergi handling
- Re-install kick plates on crow's nest platform and ensure all other platforms the same

Procedural/Barrier –Re-enforce that all project work involving potential SIMOPs at various heights within the well bay area must be confirmed with single accountable point of contact (TTR Offshore Project leader) prior to entering well bay area. If they cannot get with the project leader, the OIM must give permission or not, based on a physical check of the SIMOPs at the time of the work.



1.6 kg piece of metal sclenoid (DO) drops 5 feet from wellhead to dry crows nest on A1 dry tree and bounces down off the grating



DO then falls another 10 feet and bounces off a flange in the well bay area



Flange in the well bay area

DO then falls another 40 ft at an angle and bounces off a third point (scaffolding above the A2 riser)

Final resting place of the DO - approx 10 ft away from 3 workers working underneath 3 levels of scaffolding on the plus-10 deck

Location of crew members working below the scaffolding on A1 riser on the plus -10 deck



Object weight 1.6 kg