



Drillsafe Meeting
June 2006 - Sydney

Stena Clyde Start-up in
Australia

Ricardo Bueno

Drilling Manager- ENI Australia

Stena Clyde Drilling Rig



DIRECT INVOLVEMENT ON COUNTRY START-UP “SO FAR”

- Pacnorse-1 DP drill-ship**
- Pride(Foramer) Nynphea semi**
- King Fisher (Pelegrine-II) DP drill-ship**
- Sedco Express DP semi**
- Saipem 10000 DP drill-ship**
- Stena Clyde semi**

In none of these start-ups equipment performance was a problem!

Lack of experienced people in the oil industry is a fact and needs to be taken into account to plan for the start up

Stena Clyde – Preparation

* Performed by ENI, Stena and Peak

- Helideck Audit – CHC Helicopters Australia - CAP 437
- Stena Drilling developed a new Safety Case to enter into Australia
- Stena Drilling – Conducted an internal Safety Management Systems Audit on the voyage down from Singapore
- NOPSA inspection in Singapore
- Eni/Peak conducted two inspections in Singapore prior to sailing down
- Stena Clyde used Modu Spec to conducted their five year survey while in Singapore
- Stena Drilling conducted two, 2 day training and induction sessions in Singapore for all new crew
- Eni conducted a 2 day induction in Perth for all third party personnel
- Eni conducted an inspection and assisted on investigations onboard the rig
- NOPSA conducted an inspection in January 2006 after the rig was in the field and operating
- DoIR conducted a environmental audit on the 30 January 2006

“Soft Start-up” concept

- Select simple tasks that in normal drilling operations would be performed along the well construction and anticipate them to give time to the crew to start forming teams (ex: Pick up all DP required to drill the well before anything) .
- Drilling Superintendent or Manager onboard during the first week of operations to relief drilling supervisors of the start up stress when tasks frequently take more time than usual.
- Use HSE professional help to perform drills and re-audit the safety systems onboard as the operation progress (Safety advisor onboard on behalf of operator).
- Try as much as possible to have fresh crew onboard on the start-up (maximize the “training” time to each crew member on the first shift).
- Try to change the sequence of operations again, anticipating simple tasks on every crew change.
- Try not to leave commissioning of any equipment to be made off-line during the start-up (senior crew will always be focused on the drilling operations).
- Work side-by-side with the drilling contractor.
- Do not allow any trainee onboard (service companies) during the first well.



Incidents during the operations

Pinched finger

Summary

On 24th Dec @ 1300 hrs while drilling 12 ¼" section, after completing a connection, the Iron Roughneck was being pushed clear of the rotary when the guard of the control panel came into contact with a hang off tool. The bracket for the control panel came across and the Floorman's finger was caught between the bracket & the guard rail.

2 sutures required to the injured finger.

General view of the Rig floor



Pinched finger

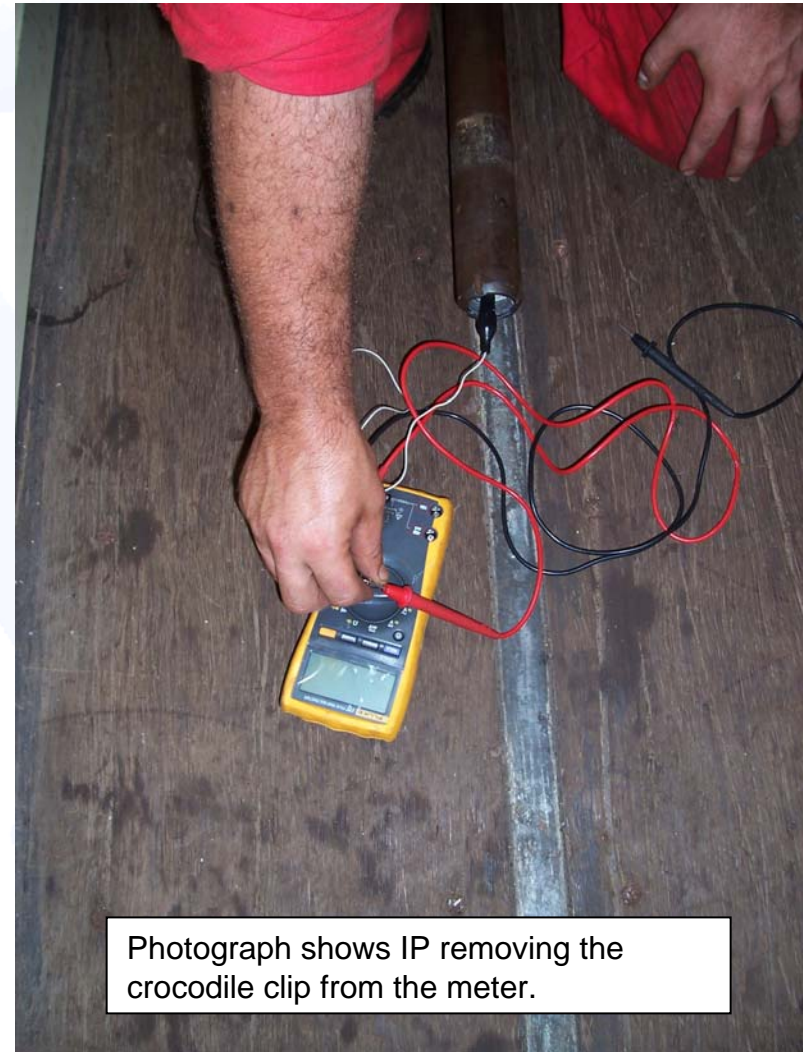


Stena Clyde – Electric Shock Incident

Summary

Schlumberger crew were preparing the Swetec cutter tool to be run down hole to sever the drill pipe. At 03.30 hours during the process of checking the voltage being applied to the end of the tool string, the wireline operator received an electric shock.

First Aid treatment only



Photograph shows IP removing the crocodile clip from the meter.

Learning outcomes

- Travel time must be considered when authorizing working hours.
- A risk assessment is required to evaluate the potential hazards of working in excess of 12 hours or work within 12 hours on the day of arrival onboard after travel.
- Better communication needs to take place between the OIM, night Toolpusher and Client representative concerning third party's working hours. Only the OIM is permitted to authorize work in excess of 12 hours and must be consulted.
- Personnel required to work with high voltage must be competent in electrical safety and handling.
- There should be procedures and a formal risk assessment for this job and it must be reviewed prior to the job.

Stena Clyde - Monkey Board Fall

Summary

On the 13.01.06 @ 0630 hrs a Pump man was working on the monkey board lost his balance & fell, ending up 2 feet below the monkey board suspended by his rope tail line & inertia line. The incident was witnessed by the Driller who took immediate action to get men aloft to assist the worker. The work basket was rigged & raised up to bring the pump man down to the rig floor.

No injury or damage was sustained.

Monkey Board Fall



Position of Derrickman prior to fall



Elevators latched prior to fall



Where he thought the rope may have hung up



Position on m/board if rope had hung up



Eni Exploration & Production division



Eni's Way

End of fall below the Monkey board



Inertia reel 45 degree



Inertia reel 45 degree



Inertia reel directly above the Victim



Inertia reel directly above the Victim





Thank you

