

Serious incident – CT Operator fell from height

Incident

- **BA/BU:** Well Intervention Services
- **Site/Country/Date:** UKCS, 21st July 2012
- **Description:** Coil tubing Operator fell approx. 30ft and impacted drill floor. IP sustained a dislocated shoulder, cracked ribs, fractures of the pelvis, cartilage damage to the knee.
- **Actual Consequence:** Serious Injury
- **Risk Potential:** High/D1
- **Synergi case no.:** 279725

Causes and key findings

- Uncontrolled descent of CT injector and BOP's within the CT lift frame.
- Suspected CTLF main winch Failure.
- IP was man riding on lower part of CTLF to guide BOP stabbing operations.
- IP man riding winch wire became entangled in descending CT BOP, which pulled the IP off the lift frame.
- Man riding winch overloaded and wire unspooled due to winch cable snagging on BOP's and injector head.
- Worksite was made safe, Senior Onshore Management team mobilised to site to commence investigation.

Lessons learned

- Investigation a collaboration between Aker Qserv, rig owner/duty holder and client and remains on-going. S.I slide will be fully updated to reflect conclusions and lessons learned on completion of investigation.
- Winch was returned onshore for testing and strip down to determine failure. Tests conducted and reviewed with winch provider and third party independent.
- Initial findings point to failure of primary failsafe brake
- Secondary method of load control failed due to hydraulic system pressure inadequate to provide continual replenishment of hydraulic oil to the motor and counterbalance valves thus starving the motor/counter balance of oil. This allows the load to drop at a high rate causing cavitation within the motor while the system is in neutral.

