



SAFETY ALERT



Fugro Company:	Fugro Peninsular
Location/Site:	M10 / M11, Red Line South Metro, Doha, Qatar
Date and Time:	19 th June 2014 05:30
Consequences:	Equipment damage
Incident Potential	High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>
Incident Description	<p>On 19th June 2014 at 0530 on the Red Line South Metro project in Doha a Fugro Peninsular drill crew commenced with tripping out PQ rods from a 25m completed borehole, (borehole was completed previous evening and intended for instrument installation).</p> <p>The drill crew tripped out the first length of drill string manually, using stilson spanners. The crew removed the rod (3m length) and then ran the head back down. The crew engaged the string again. During this activity they found that the casing string was stuck, and would not trip upwards.</p> <p>To attempt to release the stuck casing the driller replaced the 3m casing drill rod and reengaged the string. During this process the driller left his control panel to assist his helpers with lining up the joint in the bottom clamps. The F100 drill rig started to lift on the string and as a result of this the rig tipped over on the drillers control panel side.</p> 
Injuries / Medical treatment required:	No personal injury involved in this incident
Findings:	<p>Due to the borehole being completed the evening before, drill cuttings may have settled within the annulus causing collaring of the drill string which may be the cause of the casing becoming stuck.</p> <p>The incident occurred as a result of driller operating error, failure to follow standard operating procedure</p>
Lessons Learnt:	<p>The drill operator left the F100 drill rig feed lever in the down position, standard operating procedure states that the driller should not leave the controls when rig is in operation.</p> <p>The drill crew were not using the provided clamps to break out the drill rods. If the crew would have used the provided clamps there would be no reason for the driller to leave his control panel.</p>

<p>Recommendations and corrective action:</p>	<p>Safety briefings to all drilling personnel (supervisors, drillers, assistants) about the incident to be carried out. All Fugro Peninsular F100 drill rigs to be fitted with additional emergency stops on the opposite side of the control panel. Issue modified 4 x 4" timber stabilizing pads for drill rig jacks. As part of Safety Briefings and Method Statements, a clearly defined emergency access and egress area around the entire drilling rig of a 2m should be allowed for. The markings on the F100 control panels to be checked and improved where necessary.</p>		
<p>Alert Issued by:</p>	<p>S Brown</p>	<p>Safety Alert Reference No.</p>	<p>FPen-SA-14-01</p>