

Minutes of Meeting

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| Subject : Drilling Operations Incident Review Committee (DOIRC) Meeting # 20 | |
| Date of Meeting: 21/05/2007 | Time: 09:00 hrs |
| Venue: Al Wajbah Hall, Intercontinental Hotel | |
| cc: DO, OM(O,D,G), SQ, ST, All Attendees | |
| Date of Issue: 31/07/2007 | |
| Ref. : 02/2007 | Pages: 4 including this page. |

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| 1 | <p><u>Introduction</u></p> <p>Talib Al Murri, DOIRC Chairman and QP Manager Drilling, opened the meeting by welcoming all attendees. He stressed the importance of transparent reporting of incidents and sharing information. He urged all attendees to cascade the DOIRC meeting minutes to all in the field as incidents are repeatable. He then thanked Weatherford for hosting the meeting.</p> <p>Shaji Abraham, QP A/Assistant Manager Drilling Engineering and DOIRC facilitator gave a brief introduction. He emphasized that it was the Committee Members responsibility to cascade the learning points determined in the DOIRC across and down through their organizations.</p> <p>List of all attendees and presentations are attached.</p> | |
| 2 | <p><u>Acceptance of Previous Minutes</u></p> <p>All members accepted the previous minutes of meeting without any changes.</p> | |
| 3 | <p><u>Action Points from Previous Meeting</u></p> <p>There was no action item from the previous meeting.</p> | |
| 4 | <p><u>Presentations</u></p> <p>The following are brief summaries.</p> <p>1. DOIRC Members Safety Highlights :</p> <p>Members presented their safety highlights achieved in 1st quarter 2007.</p> <p>2. GDI Incident Presentation (2 Incidents) :</p> <p>George McFarland, HSE Manager presented two incidents.</p> <p>- Incident # 1 (GDI-1, Jan. 24th 2007) – MTC</p> <p>IP/Floor man wanted to release the tugger line from its storage position on the tugger. As he went to release the wire, he accidentally operated the</p> | |

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| | <p>tugger in the wrong direction, and the D-shackle slipped from the hook under tension, hitting his helmet, safety glasses and his left eyebrow.</p> <p>Lateral Learning: Fully understand the equipment before attempting to operate. Avoid getting into a position where you could get injured.</p> <p>- Incident # 2 (GDI – 1, 20th April 2007) – FAC The drill pipe was not set in the centre of the rotary table and the IP/ floor men were setting the slips. The pipe had to be pulled to allow the slips to set properly. As they were pulling the slips, the drill pipe moved across and hitting the IP (floorman) on safety helmet causing injury to his neck.</p> <p>Lateral Learning: Ensure the rig is centred. Avoid short cuts and have the proper position for the task.</p> <p>GDI Safety Statistics showed one year with out LTI. This record was achieved on the Six GDI Rigs.</p> <p>3. SHELL (1st quarter 2007 HSE Performance) John Summers Logistics Supervisor presented the HSE Performance and incident during Pearl GTL project.</p> <p>Incident #1 (Al Khor Offshore Yard, May 9th 2007) – NM While stacking damaged joints of 18-5/8” casing for inspection at Al-Khor offshore base yard, forklift bumped the last joint, as a result a joint rolled off the stack and some joints collapsed. The yard foreman was driving the forklift with two banks men.</p> <p>Lateral Learning: Need to follow proper pipe stacking and storage procedures.</p> <p>4. Global Santa Fe Incident Presentation (2 Incidents and statistics). Sammy Rose, GSF HSE Manager, presented the incidents.</p> <p>- Incident # 1 (GSF – 22nd April 2007) - LTI. While lifting 4 1/2” casing shoe joint with air tugger at rig floor, it slipped through the 5” single joint pick up elevator (wrong size of elevator was used) causing a compound fracture to left leg and ligament tear of right knee. High potential incident for single or multiple fatalities.</p> <p>Lateral Learning: Use colour coding system for identification of different sizes of elevators. Improve supervision and always double check equipment / tool sizes and not to rely on experience.</p> <p>- Incident # 2 (GSF – 23rd April 2007) - NM. Whilst running in hole with HWDP, the spring leaf assembly was sheared from PS 500 elevator’s dolly roller system. The assembly fell 50 ft and landed on driller’s cabin roof, causing damaged to roller assembly with the potential for single or multiple fatalities.</p> <p>Lateral Learning: PMS (Preventative maintenance management system) shall reflect manufacturer recommendations. Need to follow the set schedule for NDT of Top drive system.</p> <p>- A movie clip was played on the consequences of an incident of an IP who caught his hand in between automatic slips and elevator.</p> <p>DVD is not attached due to size constraints, but available with QP. Please contact Roger - H/HSE QP Drilling – for copies.</p> | |

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| | <p>5. Schlumberger Incident Presentation: (16 March 2007) - Acid Spill. Knut Hansen Operations Manager presented the incident.</p> <p>Unplanned / undesired release of HCl acid to the environment and contact with HCl during loading operation of stimulation vessel. Leak was immediately noticed and loading operation was stopped. One close by worker, wearing a coverall, received minor acid spray on his back. Coverall was removed and person was showered down as a precaution. Skin had not been in contact with acid. The spilled acid was neutralized with soda ash and washed into the sea. Incident was caused by not following the job procedure and by utilizing modified equipment.</p> <p>Lateral Learning: Danger of modified equipment and importance of properly conducted pre-job meeting with detailed outline of job procedure.</p> <p>6. Maersk Incident Presentation (22nd April 2007) – LTI Svend Hansen, Drilling Manager presented the HSE Performance and explained the same incident that was presented by GSF.</p> <p>4 ½” casing shoe joint slipped through the 5” single joint pick up elevator, (wrong size of elevator was used) causing a compound fracture to left leg and ligament tear of right knee.</p> <p>Lateral Learning: Rig Management / Supervisors should focus on supervision prior to performing the task.</p> <p>7. Hercules Incident Presentation (27 March 2007) – FAC. Leslie Martin, HSE Manager presented the Incident.</p> <p>While preparing to take on barite, the barite hose struck a smoke & light life bouy, knocking the activated smoke canister to the deck. The Roustabout picked up the canister and tried to put the cap back on. The palm of his hand was blistered through his gloves. IP received first aid by rig medic.</p> <p>Lateral Learning: Personal protection shall be a priority to equipment protection.</p> <p>8. QP Presentation (Oil Spill & Emergency Response) Presented by Ali Rajab, QP OSER Manager</p> <p>Ali Rajab updated the members on the activities of the “Oil Spill & Emergency Response” (OSER) Department. He advised that they have acquired two new software systems: The Oil Spill Modelling System and the Vessel Tracking System. These will assist the department with operational planning during an incident or to conduct investigations after an incident has occurred. Other new developments also were also presented.</p> | |
| 5 | <p><u>Action Items</u></p> <p>It was suggested that the DOIRC be published on the QP web site.</p> <p>Post Meeting Note: QP Drilling HSE Division is working with IT Department for publishing the DOIRC meeting and all attachments in the QP internet web site. The hyperlink will be cascaded to all in due course.</p> | QP |

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| 6 | <p><u>Any Other Business (A.O.B)</u></p> <p>Roger Ananian, H/HSE QP Drilling, raised the point that most Service Companies have complained of facing difficulties by implementing different lifting colour coding systems for different Oil and Gas Operators in Qatar. He suggested that all Companies could follow QP Lifting Colour Coding System for unification purpose to facilitate any difficulties.</p> <p>Bill Mitchell (Q/Gas 3&4 HSE Manager) agreed with the concern and requested if an official letter could be sent to Qatar Gas stating that “QP Lifting Colour Coding System shall be followed by all companies”. On the same issue he raised a concern that QP Lifting Regulations are implementing two different colour coding systems, for QP and contractors. In his opinion only one colour coding system should be used.</p> <p>Abdul Hameed (QP Snr. Lifting Equip. Eng) advised that this issue would be discussed with Management.</p> <p>Talib Al-Murri also advised that he would discuss this within QP.</p> | |
| | <p>Talib then concluded the meeting by thanking all attendees and speakers for their efforts.</p> | |
| | <p>Talib Al Murri Manager Drilling</p> <p>Unsigned copy for electronic distribution. Original signed copy is filed with QP.</p> <p><u>Attachments:</u></p> <ul style="list-style-type: none"> I. List of Attendees II. Highlights III. Presentations. | |