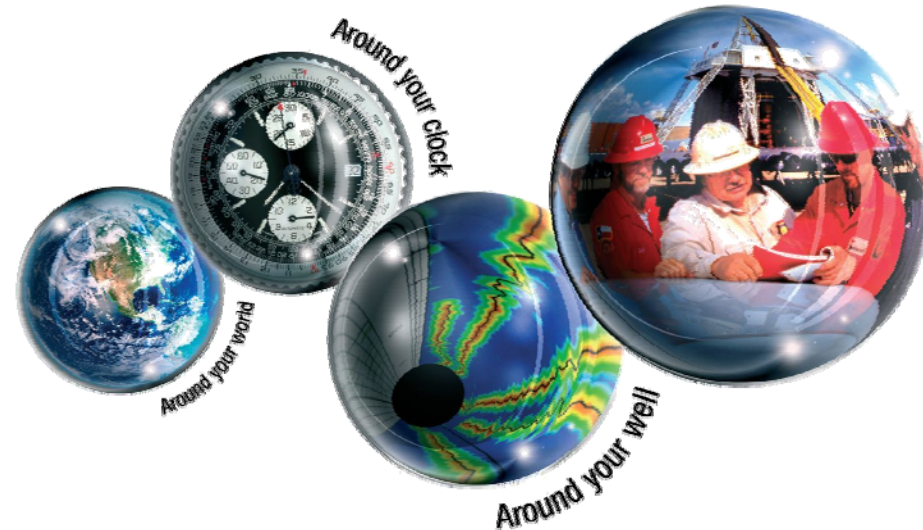




Weatherford[®]



All Around You

Rig 709

Fatality Incident - 27th January 2008

Charlie Mearns, WDI HSET Director

Wellsite Forum, Adelaide, 19th March 2008



Response Strategy

- Casualty Management
- Secure worksite + Incident Notification
- Look after the people (deceased + crews)
- Liaise with Client / WDI / Regulatory Authorities
- Look after the family
- Implement formal investigation
- Respond to Regulatory Authority requirements
- Support the family
- Share information



Response to Rig 709 Incident

- Sunday 27th January 2008 at 10:00 am
- WDI Management Team called in
- Liaised with Santos Management Team
- Received advice and support from Santos Media Advisors
- George Jones and Kirk Thompson travelled to Brisbane to support family
- Grief counsellor dispatched to family
- Grief counsellors dispatched to Rig 709
- Senior WDI Management Team mobilised from Dubai
- Providing support both emotional and financial to the Family – this is ongoing
- Daniel McAleese and Nidal Machtoub mobilised to Rig 709. (visited both Rig 721 and Rig 724 for crew discussions on 28th January 2008)
- **ONGOING**
 - Emotional and Financial support to family
 - Assisted with all funeral arrangements
 - Funeral as per customs



What happened.....

Fred Kekenena, an Assistant Driller,
was struck by a manual rig tong.



What happened.....

Fred Kekena arrived on the rig floor.....
saw two guys struggling with a rig tong.....
and immediately went to assist them.

Fred sustained fatal injuries!



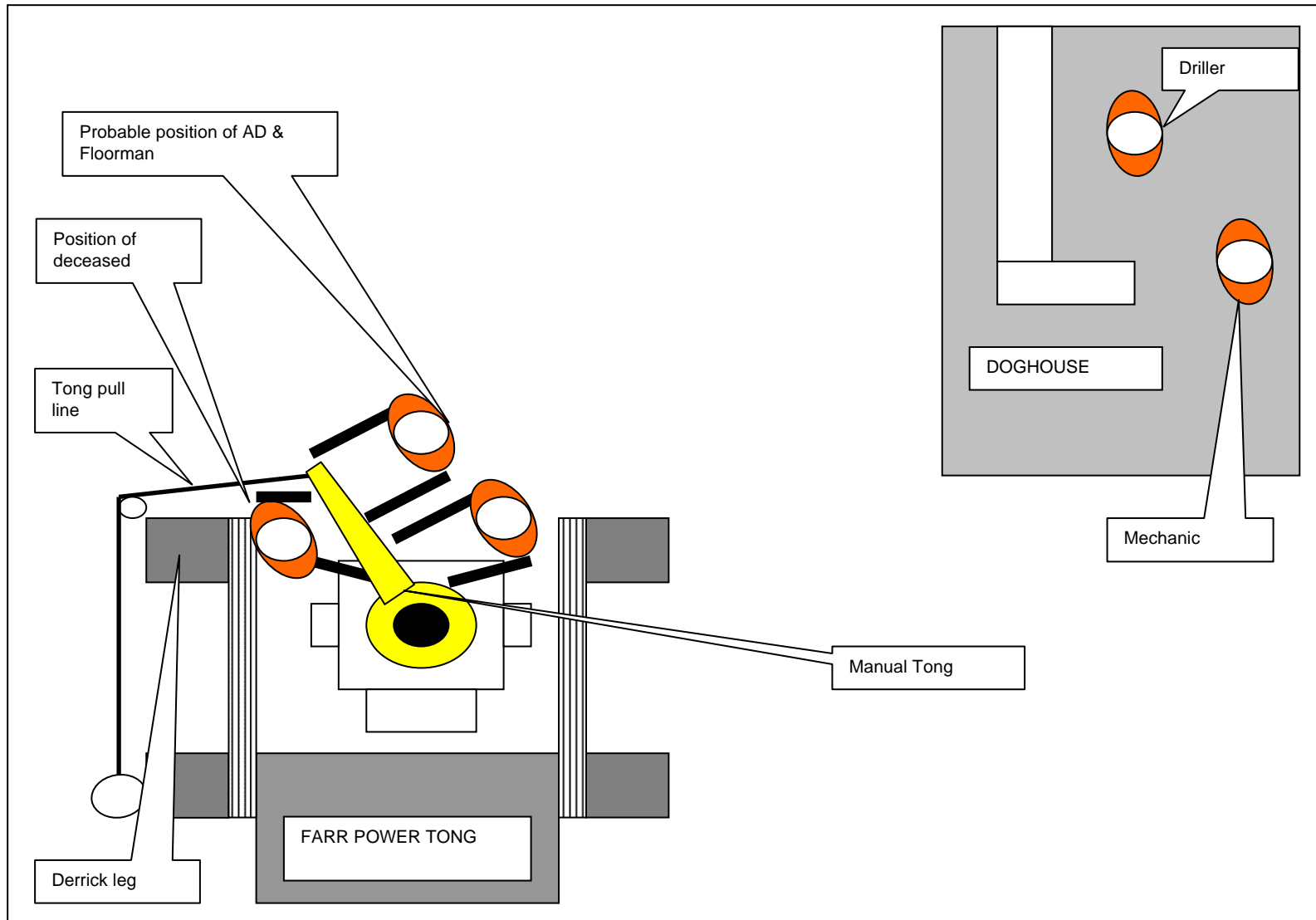
Event Timeline

<u>Time prior to incident</u>	<u>EVENT</u>
• 6 months	Rig 709 mobilised to Cooper Basin
• 3 days	Mudera 12 well spudded
• 1 day	Surface hole drilled to 1005ft
• 4 hours	Run 8 5/8" casing
• 1 hour	Surface casing cement job
• 30 minutes	Set slips for 8 5/8" casing
• 20 minutes	Make up casing head hand tight
• 10 minutes	Torque up Casing Head using topdrive
• 7 minutes	Remove pin from tool and pull up
• 5 minutes	Floorman and AD attempt to break tool with manual tongs
• 3 minutes	Fred Kekena arrives at rig floor
• 2 minutes	Fred attempted to help by getting the tong to bite
• 10 seconds	Fred in position between tong and derrick leg
• 5 seconds	Driller operated manual tong
• <i>Incident:</i>	<i>Fred struck by manual rig tong</i>





What happened.....



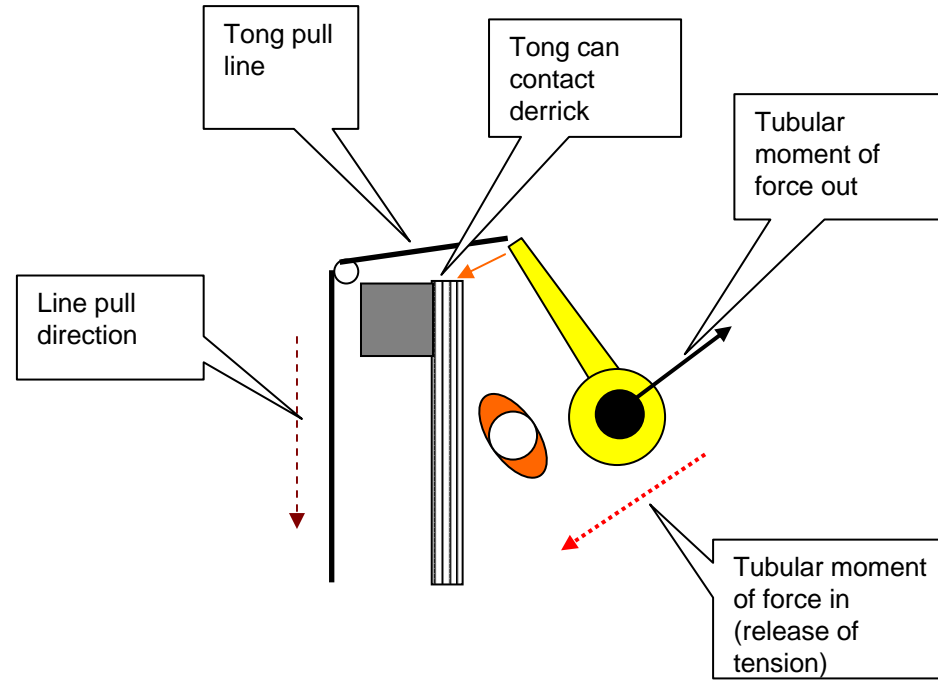


Key Issues

- Trying to break out Braden Head running tool – WHY?
- Farr (power) tong available but not used – WHY?
- Tool was hanging from Top Drive unsupported from below
- Top Drive was locked to prevent turning
- Only used one rig tong; wrong tong; wrong tool
- Perceived or actual time pressure

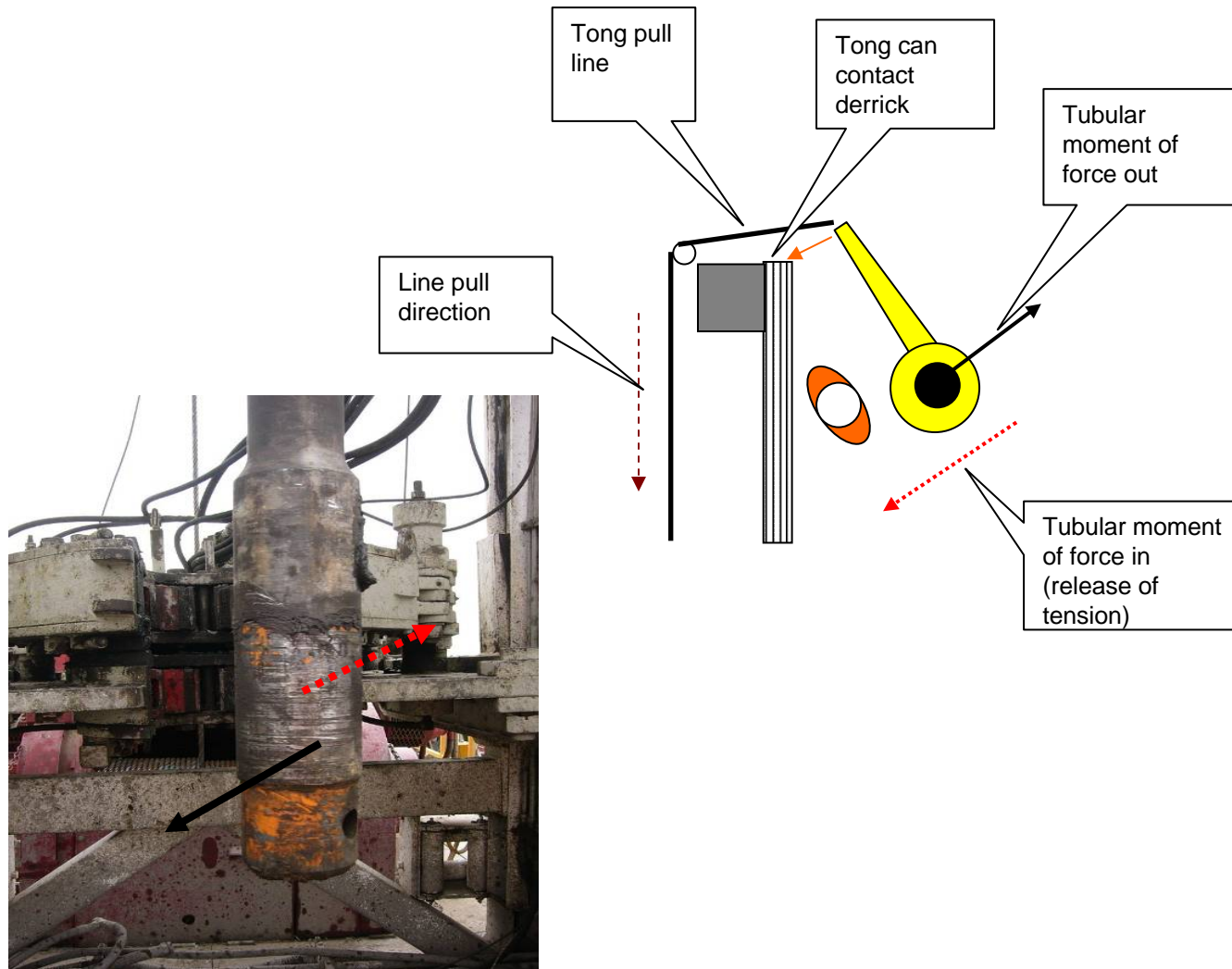


Key Issues (cont'd)





Key Issues (cont'd)





Understanding the Issues

- Trying to break out Braden Head running tool – WHY?
 - Inadequate design / planning / risk reduction
- Farr (power) tong available but not used – WHY?
 - Inadequate planning, supervision + time pressure
- Tool was hanging from Top Drive unsupported from below
 - Substandard practice, competence, procedures, supervision
- Top Drive was locked to prevent turning
 - Substandard practice, competence, procedures, supervision
- Only used one rig tong; wrong tong; wrong tool
 - Lack of experience, competence and failure to use Time Out For Safety
- Perceived or actual time pressure
 - Failure to call Time Out For Safety



What has / to be done.....

- Continual support for family
- Counselling for crews
- Additional field support (Field Superintendent, Medic / Administrator, Field Safety Adviser)
- Behavioural training for all personnel with further monitoring / follow up in the field
- Equipment familiarization refresher training for all crews
- Rig tong refresher training for all supervisors / crews – Rigs 709 and 724 (no rig tongs on Rig 721 – power tong can handle everything)
- All Standard Operating Practices (SOPs) critically reviewed and rewritten for content quality and operations coverage
- New ‘New Hire’ recruitment strategy
- Provide Australia-specific Induction Video



What has / to be done....

- Continual support for family **Ongoing**
- Counselling for crews **Ongoing**
- Additional field support (Field Superintendent, Medic / Administrator, Field Safety Adviser) **Ongoing**
- Behavioural training for all personnel with further monitoring / follow up in the field **Training DONE, follow up ongoing**
- Equipment familiarization refresher training for all crews **DONE**
- Rig tong refresher training for all supervisors / crews – Rigs 709 and 724 (no rig tongs on Rig 721 – power tong can handle everything) **DONE**
- All Standard Operating Practices (SOPs) critically reviewed and rewritten for content quality and operation compatibility **DONE**
- New ‘New Hire’ recruitment strategy **Ongoing**
- Provide Australia-specific Induction Video **In process**



Thanks & Any Questions

Ensign
EWS
Halliburton
Rheochem
Santos
Transfield Services
WDI



Thanks & Any Questions

?