



## LEARNING FROM INCIDENTS NEWSFLASH

BSP-NF-201364

BSP – Well Engineering & Well Services

Oct 2013

### SWA-226 Well Integrity – Barrier Failure

#### Target audience for this newsflash

- TSW Community
- TSW Menang Partners / Service Providers

#### What happened

On 2<sup>nd</sup> October 2013, while carrying out drilling operation in the SWA-314 (C1) on AMDP5 by drilling rig Maersk Completer, minor gas bubbling was observed from previously abandoned adjacent well SWA-226 (C2).

#### Why it happened

- Under Investigation

#### Actions Taken

Operations on C1 were suspended to perform intervention on C2. Original well fluid of seawater was displaced to 12kPa/m mud, followed by a 50m cement plug (18.6kPa/m) & tag tested. Gas bubbles stopped after cementing. The mud above the cement plug was displaced to 22kPa/m kill mud. Throughout the duration of this incident, the well was closely monitored for bubble frequency & size, gas level and fluid level changes inside the well.

#### Suggested toolbox/safety meeting questions

- Are the barriers defined?
- Have the barriers been verified?
- Understand annular history for old abandoned wells

#### Further information

Fountain: **FIM No. TBA**

Contact: Maersk Completer/ Manish Kumar Rig SWE

[DSV-Completer@shell.com](mailto:DSV-Completer@shell.com) [Manish.Kumar@shell.com](mailto:Manish.Kumar@shell.com)



This document is made available for information only and on the condition that (i) it may not be relied upon by anyone, in the conduct of their own operations or otherwise; (ii) neither Brunei Shell Petroleum Company Sendirian Berhad (BSP) nor any other person or company concerned with furnishing information or data used herein (A) is liable for its accuracy or completeness, or for any recommendations or advice given in or any omission from this document, or for any consequences whatsoever resulting directly or indirectly from any use made of this document by any person, even if there was a failure to exercise reasonable care on the part of BSP or any other person or company as aforesaid; or (B) makes any claim, representation or warranty, express or implied, that acting in accordance with this document will produce any particular results with regard to the subject matter contained herein, or to satisfy the requirements of any applicable federal, state or local laws and regulations and (iii) nothing in this document constitutes technical advice. If such advice is required it should be sought from a qualified professional advisor.

The content of this document may (i) be based on, but not identical to facts relating to a third party incident about which BSP has become aware; (ii) contain recommendations that are one, but not necessarily the only way, of addressing incident learnings.