

From: Sant, Randall
Sent: Wed Feb 24 19:56:04 2010
To: Alberty, Mark W
Cc: Zhang, Jianguo X.; Sant, Randall
Subject: FW: Macondo Lost Circulation Event Log Update 2/23
Importance: Normal
Attachments: Macondo 18in Lost Circulation Event Log_MEH2.xls

Mark,

We had a review session with John LeBleu this morning where he went through the sequence of events that led to the losses on the Macondo well.

Since that JZ and I have looked at the FE logs which indicate that the formation below the shoe consists of shale and marl (?). We have also requested John to source the original LOT charts as well as the one that was done when we squeezed the shoe. I am not sure if they actually did a LOT test or FIT after they squeezed the shoe, but will wait on the charts to determine. If they did do a LOT though, wouldn't the shoe lose the strengthening effect once it was broken down?

We have also requested the mud reports to determine the concentration of StressCage material in the system. John indicated that the 'bear' formulation you provided to them was definitely not maintained because the team could not support this logistically nor did they want to put 20 mesh screens on the shakers or even bypass them. Even with StressCage material, if the weak point is indeed the marl/shale just beneath the shoe, this couldn't be strengthened using conventional application methodology (?).

What are your thoughts on this?

Randall V. Sant

PPFG Specialist

**Exploration and Production Technology Group
Drilling Team - Houston**

Direct: 281-366-8886
Mobile: 713-244-4869
Email: santrb@bp.com



From: LeBleu, John B
Sent: Wednesday, February 24, 2010 11:19 AM
To: Sant, Randall
Subject: FW: Macondo Lost Circulation Event Log Update 2/23

John LeBleu

**Drilling Fluids Engineer
BP GOM - Drilling Excellence**
BP: 281-366-4015
Cell: 713-503-2257
lebleujb@bp.com
jlebleu@jlebleu.com

From: LeBleu, John B
Sent: Tuesday, February 23, 2010 11:24 AM

To: Zhang, Jianguo X.; Diaz, Andres; Osorio, Hugo
Subject: FW: Macondo Lost Circulation Event Log Update 2/23

Just wanting to keep you informed.

John LeBleu

Drilling Fluids Engineer

BP GOM - Drilling Excellence

BP: 281-366-4015

Cell: 713-503-2257

lebleujb@bp.com

jlebleu@jlebleu.com

From: Hafle, Mark E

Sent: Tuesday, February 23, 2010 11:11 AM

To: Morel, Brian P; LeBleu, John B; Hafle, Mark E; Cocalles, Brett W; Guide, John; Sims, David C; Bodek, Robert

Cc: Sant, Randall; Alberty, Mark W; Burns, Tim A

Subject: Macondo Lost Circulation Event Log Update 2/23

Attached is the current LCM log for Macondo through the current operation this morning.

We are currently squeezing Form-A-Set AK below the shoe.

<<...>>

Regards,

Mark Hafle

Drilling Engineer

BP Deepwater GoM

281-366-4237 (o)

281-687-8216 (m)