

From: Lockett, Tim
Sent: 17 May 2010 23:00
To: Hill, Trevor
Subject: RE: Pressure build-up

My thoughts (based on the covering email):

1) The apparent reliance in Ole's email on the 5 mbd number, which has little if no origin, is concerning. From all the different ways we have looked at flowrate, 5 mbd would appear to err on the low side. I will therefore be looking to see that the dynamic well kill modelling has been tested at higher well rates. If this hasn't been done, yet, then could you initiate this with Ole.

2) Maybe I am being pessimistic but my first thought when I heard of the fall in pressure upstream of the BOP is that this is bad news rather than good, my thought would go to reduced restriction within the BOP. The insertion of the insertion pipe has increased back pressure at the sink - we should have seen an increase in pressure transmitted back to the upstream side of the BOP.

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Please see point 1 as you interface with the team.

Regards
 Trevor

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Trevor

I have yet to review the ppt files from Ole. I am off-site tomorrow but be in on Wednesday to meet up.

instead included my findings in power point presentations.

Please find two of those enclosed.

As you can see (shut-in presentation), the last reduction in pressure drop at the wellhead (Yesterday), will give more gas in the well and an increased gas cushion during shut-in UNLESS, the reduction in wellhead pressure is due to an increased flow rate and the restrictions at the wellhead is giving away. This means a large hole in the BOP stack an less chance of ever being able to do a dynamic top kill, since the required rate through the stack to achieve the required pressure drop is to high.

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