

From: Tooms, Paul J  
Sent: Fri Jun 11 00:04:01 2010  
To: Wells, Kent; Birrell, Gordon Y; Clarkson, David; O'Bryan, Patrick L; Dupree, James H; Lynch, Richard; Inglis, Andy G (UPSTREAM)  
Cc: Roberts, Jamie Y; Caldwell, Jason; Thierens, Harry H; Maguire, Niall J; Verchere, Christina C; Looney, Bernard; Mazzella, Mark; Grounds, Cheryl A.; Bond, Stan L; Hill, Trevor; Wood, Douglas G; Sprague, Jonathan D  
Subject: Historical BOP Pressure  
Importance: Normal  
Attachments: BOP Pressure History rev3.xls

Attached is a chart showing BOP pressure over time, from when the acoustic transmitter has been operating. The pressures from the transmitter below the BOP test rams have been calibrated against the gauges we installed for the Top Kill and have a correction factor of 966 psi already applied. A number of points can be taken from the graphs, including:

1. Pressures below and across the BOP (with the test rams closed) are broadly the same now as they were prior to the Top Kill. This suggests that overall flow rates have not changed much, unless there is some unexplained mechanism in the well.
2. The pressure drop across the BOP has been relatively consistent, and it can be inferred that drillpipe is present and that flow through it has remained relatively unchanged

3. The test rams would appear to be holding back pressure when they are closed, which suggests that there is at least some flow past the pipe rams. This graph will be included in a more complete report on pressures and flow indications which will be issued shortly. However, I thought it useful to share this now as it can dispel certain myths that have taken root amongst the teams. Note that it might be tempting to try and interpret trends for individual parts of the graph – this is not advisable since there is quite a lot of noise in the readings and they are taken infrequently.

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Paul

Paul Tooms

VP Engineering

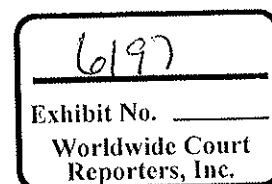
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## Historical Records Of BOP Pressures

