

**From:** Tooms, Paul J  
**Sent:** Tue Jun 15 17:28:32 2010  
**To:** Lynch, Richard  
**Cc:** Hill, Trevor; McDonald, W Leith; Baker, Kate H (UNKNOWN BUSINESS PARTNER); Looney, Bernard; Dupree, James H; Caldwell, Jason  
**Subject:** RE: possible test of rupture disk integrity  
**Importance:** Normal

Thanks Richard. This is essentially proposing trying to shut the well in (or at least raising the downstream pressure) to diagnose whether the rupture disks are intact (or indeed if the well has integrity). And it comes from Secretary Chu, which is interesting as it has the implication that the government from a technical standpoint at least would be prepared for us to take some open flow to install some device.

It is aligned with our thinking and of course if we demonstrate integrity we would then wish we could shut the well in fully.

We'll keep working it and test the temperature.

Paul

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**From:** Lynch, Richard  
**Sent:** Monday, June 14, 2010 4:19 PM  
**To:** Tooms, Paul J; Hill, Trevor  
**Subject:** FW: possible test of rupture disk integrity

Trevor / Paul,

Can you use this?

Best Regards,

Richard Lynch  
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**From:** SCHU [mailto:SCHU@hq.doe.gov]  
**Sent:** Monday, June 14, 2010 3:21 PM  
**To:** Lynch, Richard  
**Cc:** Ken Salazar (slv@ios.doi.gov); Hunter, Tom (Sandia); OConnor, Rod  
**Subject:** FW: possible test of rupture disk integrity

Richard,

I am forwarding you an idea I suggested to our science group to determine if the rupture disks are intact. (This slide is slightly revised from the version I sent on Sunday.) The team is considering if the idea has merit. In the meantime, BP should also see if this idea or any other idea can allow us to non-destructively test of the integrity of the rupture disks. I will also forward you one or two of the responses from the team.

Steve

Steven Chu

Department of Energy

**From:** SCHU  
**Sent:** Sunday, June 13, 2010 3:58 PM  
**To:** tohunte@sandia.gov; Rod O'Connor; Arun Majumdar (Arun.Majumdar@hq.doe.gov); Black, Stephen J; Blankenship, Douglas A; Dan Poneman (Daniel.Poneman@hq.doe.gov); Dykhuizen, Ronald C; George Cooper; Holdren, John (John\_P.\_Holdren@ostp.eop.gov); Hunter, Tom (Sandia); Hurst, Kathleen T; 'Marcia K McNutt'; Ray Merewether; Richaard Garwin; Slocum, Alexander ; slocum@MIT.EDU  
**Subject:** possible test of rupture disk integrity

To all,

I have outlined a proposed test of rupture disk integrity. If the rupture disks are intact, before a hurricane, we can safely throttle back the well and greatly reduce spillage into the Gulf.

Did I make a mistake ...?

Steve

Steven Chu  
Department of Energy