



Re: Flow est

Hunter, Tom t
o 'George.Guthrie@NETL.DOE.GOV',
: 'mcnutt@usgs.gov'

05/30/2010 09:32 PM

George marsha

I don't think we need to do much of an analysis. I personally feel like marcia that the 20 percent is a reasonable estimate. Bp has done calcs of less than that. There is about a few hundred psi of impedance between the top pressure measure and the sea. I just would not characterize it as an detailed analysis

Thanks for the quick response

Tom

----- Original Message -----

From: George Guthrie <George.Guthrie@NETL.DOE.GOV>
To: Hunter, Tom; mcnutt@usgs.gov <mcnutt@usgs.gov>
Sent: Sun May 30 18:27:05 2010
Subject: Re: Flow est

Just checked with one of the teams and their calcs showed minimal P drop due to riser (compared to rest of system). We are restricted datawise at this point to diameter/length and viscosity of th oil in the calc (no detailed in for the team on opening so just assuming a competely open end). More data would improve the estimate significantly.

-----Original Message-----

From: George Guthrie
To: <tohunte@sandia.gov>
To: <mcnutt@usgs.gov>

Sent: 5/30/2010 8:16:00 PM
Subject: Re: Flow est

Tom

What is the turn around that you need an answer? If I understand where your question is coming from, you're wondering how much more flow would increase if the riser were cut as part of the mitigation plan? We have not explicitly looked at this scenario (I don't think) but are looking at sensitivity analysis to the system parameters. If you're looking for an independent assessment of that particular scenario we should be able to provide it. Again let me know the timeline. Would it be peer review of their model/calc? Or would they need a completeley independent calc?

-george

-----Original Message-----

From: "Marcia K McNutt" <mcnutt@usgs.gov>
Cc: Guthrie, George <George.Guthrie@NETL.DOE.GOV>
To: <tohunte@sandia.gov>

Sent: 5/30/2010 7:54:13 PM
Subject: RE: Flow est

Right - the Nodal team members of the FRTG would be the only ones capable of doing this, and if they have analyzed this, I have not heard from them on the issue yet. I will copy to George Guthrie, team leader, to see if they can do an independent analysis to support BP's conclusion.

Marcia

From: Hunter, Tom <tohunte@sandia.gov> [mailto:Hunter, Tom <tohunte@sandia.gov>]
Sent: Sunday, May 30, 2010 7:46 PM
To: "'mcnutt@usgs.gov'" <mcnuttt@usgs.gov>
Subject: Re: Flow est

Does this mean that no independent analysis was done by the frtg team

From: Marcia K McNutt <mcnuttt@usgs.gov>
To: Hunter, Tom
Sent: Sun May 30 17:42:05 2010
Subject: RE: Flow est

Based on conclusion from the BP that the restrictions through the BOP were little changed by the mud (e.g., no erosion). So just based on their analysis of the additional restriction provided by the riser.

Marcia

From: Hunter, Tom <tohunte@sandia.gov> [mailto:Hunter, Tom <tohunte@sandia.gov>]
Sent: Sunday, May 30, 2010 7:29 PM
To: "'mcnutt@usgs.gov'" <mcnuttt@usgs.gov>
Subject: Re: Flow est

Thanks. Was it based on an analysis of the impedances in the wellbore after the kill tests.
Tom

----- Original Message -----
From: Marcia K McNutt <mcnuttt@usgs.gov>
To: Hunter, Tom
Sent: Sun May 30 16:55:50 2010
Subject: Re: Flow est

Yes. But we just used the 20 percent valued to come up with 14,400 to 23,000 barrels per day.

----- Original Message -----
From: "Hunter, Tom" [tohunte@sandia.gov]
Sent: 05/30/2010 04:52 PM CST
To: Marcia McNutt
Subject: Flow est

Marcia

Has your frtg team done an estimate of flow increase when riser is cut

Tom