

From: Morten Haug Emilsen
Sent: Thu Jul 01 19:18:51 2010
To: Corser, Kent
Cc: Rygg, Ole (Unknown Business Partner); Brock, Tony; Abbassian, Fereidoun; Robinson, Steve W (Alaska)
Subject: Re: ACTION - Olga model review
Importance: Normal

All,

I'm available for a telecon tomorrow, just give me a time and number and I'll dial in.

To your information, there are a huge number of simulation files simulating different options, and without knowing the one you are using, I will on a general basis just inform you that in a lot of the simulation files we were trying to reproduce the only sure datapoint we got, namely the stand pipe pressure. Regarding Annulars and openings, these were in several files controlled by a PID or a Cascade controller to recreate the observed behavior. Kind of a backward engineering. From a controlling perspective, the maximum OD of a valve simulating an annular or variable bore ram can vary to make a regulator more stable without changing the picture. There are always a number of technical approaches being used in a modeling perspective that cannot be directly be transformed to real equipment, dimensions and sizes. The Olga person you have hired will most likely be up to speed on these issues.

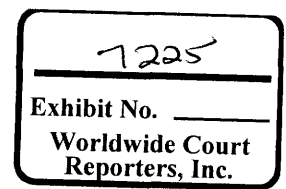
Best regards,
Morten

Sent from my iPad

On 1. juli 2010, at 17.00, "Corser, Kent" <Kent.Corser@bp.com> wrote:

Guys this is not a maybe issue. We need this landed and fully understood. We are basing a huge part of this investigation on the model. I think we should get Morten on the phone or on a plane. The last thing we want is 3 version or interpretation. There could be changes but I do not want you guys making assumption on what he did or did not without his input. Lets get this set up and understand what his basis was for modeling.

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BP-HZN-BLY00093922

From: Ole B. Rygg [mailto:Ole.Rygg@addenergy.no]
Sent: Thursday, July 01, 2010 9:40 AM
To: Corser, Kent
Cc: Brock, Tony; Abbassian, Fereidoun; Robinson, Steve W (Alaska); Morten Haug Emilsen
Subject: RE: ACTION - Olga model review

Kent,
let's see what we can get achieved on the modeling in the meeting today, then Morten can follow up on additional details if required.

Regards,
Ole

<image001.jpg>

Dr. Ole B. Rygg
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From: Corser, Kent [mailto:Kent.Corser@bp.com]
Sent: 1. juli 2010 16:21
To: Morten Haug Emilsen
Cc: Brock, Tony; Abbassian, Fereidoun; Ole B. Rygg; Robinson, Steve W (Alaska)
Subject: ACTION - Olga model review

Morten - I would suggest we arrange a conference call tomorrow or early next week. The BOP team has hired a person to run the Olga program. In reviewing the data sets they are having a hard time understanding some of the inputs (i.e. annular beings closed early in the flow). The BOP team will be meeting with your co-worker Ola but I think to help move this process on quickly it would be good to

understand the assumptions you were making so we do not have to recreate the entire model. Please let us know your availability.

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From: Morten Haug Emilsen [mailto:Morten.Haug.Emilsen@addenergy.no]
Sent: Tuesday, June 29, 2010 2:44 PM
To: Corser, Kent
Cc: Brock, Tony; Abbassian, Fereidoun
Subject: Re: Request: Close out report
Kent,

My colleague Ole Rygg is working with the response team and he can probably help making the files work with any Olga version. His cell is [REDACTED]
Best regards,
Morten

Sent from my iPad

On 29. juni 2010, at 16.26, "Corser, Kent" < Kent.Corser@bp.com> wrote:
Morten,

That will not work for us. We have a person here that has tried to run the well flow dynamic program but cannot do it with your data set. He said the code has been changed so it will not run on our version of Olga. Do you have a local contact we can get to spend some time with us or someone in Norway?

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From: Morten Haug Emilsen [mailto:Morten.Haug.Emilsen@addenergy.no]
Sent: Tuesday, June 29, 2010 3:17 AM
To: Corser, Kent
Cc: Corser, Kent; Brock, Tony
Subject: Re: Request: Close out report
Kent,

I will return to Norway by end of July and could be available from this point forward. How does this fit with your plans?
Best regards,
Morten

Sent from my iPad

On 28. juni 2010, at 17.14, "Corser, Kent" < Kent.Corser@bp.com> wrote:
Morten,

I wanted to flag you that we will need your service in Houston for about a week to review a few well control issues and update the report given we have some new data.
Could you let me know your availability & timing?

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