



Re: reconciling our FRTG numbers

Franklin Shaffer o ira leifer, Steven T. Wereley

06/09/2010 02:01 PM

Cc: "Poojitha Yapa", "Paul Bommer", "savas@newton.berkeley.edu",
"Antonio Possolo", "Pedro I. Espina", "Bill.Lehr@noaa.gov", "Alberto
Aliseda", "James J Riley", "Juan Lasheras", "Mark K Sogge", "Marcia
K McNutt"

In the long term, that is a good idea. But for this analysis which is due today, we don't have time to adjust our estimate based on what other independent groups are doing.
Frank

>>> "Wereley, Steven T." <wereley@purdue.edu> 6/9/2010 1:47 PM >>>
Hi all. I've just thought of a potentially troublesome aspect to the values we came up with for the pre-RITT flow rate. How will we reconcile our range of flow rates with those from the other groups? We are almost exactly twice the mass balance team's values. If we don't interpret what these differences mean, the press will do it for us. One possibility is that the discrepancy represents oil trapped in the water column. Another possibility is that it indicates that the different assessments have different biases built into them. Which do we trust more? As a member of the plume group, I would trust our measurements more. If your goal is to measure a flow, I would suggest that the appropriate place to do it is at the source of the flow, not miles away and days later.

Anyhow, something for all of us to think about...

Best,

Steve Wereley, Professor of Mechanical Engineering
Birck Nanotechnology Center, Room 2019, 1205 West State Street
Purdue University
West Lafayette, IN 47907
phone: 765/494-5624, fax: 765/494-0539
web page: <http://engineering.purdue.edu/~wereley>

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

From: ira leifer [mailto:ira.leifer@bubbleology.com]
Sent: Tuesday, June 08, 2010 11:40 AM
To: Franklin Shaffer
Cc: Poojitha Yapa; Paul Bommer; savas@newton.berkeley.edu; Antonio Possolo; Pedro I. Espina; Bill.Lehr@noaa.gov; Wereley, Steven T.; Alberto Aliseda; James J Riley; Juan Lasheras; Mark K Sogge; Marcia K McNutt
Subject: Re: Pooling Expert Assessments

Antonio,

I have 20 years of hourly data from the hydrocarbon seeps, which we submitted for publication in *Atm Environments* - a seep field which is migration through a complex fractured, faulted reservoir system to the seabed and seasurface and thus represents the subsurface migration processes to the pipe (also just published a study relating spatial variability to structural geology, and working on on on the a manuscript on the relationship between geologic structure and temporal emission variability).

I am happy to share that data, it illustrates how these type of systems (hc migration) behave, which has greater similarity to a geyser system than a river flow. To use the analogy.

I have attached the manuscript for anyone who is interested, however, for those who are very busy (everyone!!) there are a number of very pretty and highly meaningful figures.

warmest regards,
Ira