

4202483839-24216-19925-136-161

From: Marcia K McNutt <mcnutt@usgs.gov>
Sent: Wed, 4 Aug 2010 15:16:06
To: GS FOIA 0105 <foia0105@usgs.gov>
Subject: Fw: pressure-based flow calcs

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----- Forwarded by Janet N Arneson/DO/USGS/DOI on 08/04/2010 03:15 PM -----

From: "wereley, Steven T." <wereley@purdue.edu>

To: "Bill.Lehr@noaa.gov" <Bill.Lehr@noaa.gov>, "pmbommer@mail.utexas.edu" <pmbommer@mail.utexas.edu>

Cc: Franklin Shaffer <Franklin.Shaffer@NETL.DOE.GOV>, "pdy@clarkson.edu" <pdy@clarkson.edu>, "Catherine_Cesnik@ios.doi.gov"

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"vhines@usgs.gov" <vhines@usgs.gov>

Date: 06/07/2010 02:56 PM

Subject: RE: pressure-based flow calcs

Hi all. Here's my report...

Sorry it's not in the official Bill Lehr format but time was getting tight!
I can rework it after the phone call.

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: Bill.Lehr@noaa.gov [mailto:Bill.Lehr@noaa.gov]
Sent: Sunday, June 06, 2010 9:35 AM
To: pmbommer@mail.utexas.edu
Cc: Franklin Shaffer; pdy@clarkson.edu; Catherine_Cesnik@ios.doi.gov;
Lori_Caramanian@ios.doi.gov; wsr@lanl.gov; Donald.Maclay@mms.gov; George
Guthrie; savas@newton.berkeley.edu; pedro.espina@nist.gov; Wereley, Steven
T.; aaliseda@u.washington.edu; rileyj@u.washington.edu; Lasheras@ucsd.edu;
Marcia K McNutt; Victor F Labson; ira.leifer@bubbleology.com;
Chris.Barker@noaa.gov; Kathryn_Moran@ostp.eop.gov; mark_sogge@usgs.gov;
vhines@usgs.gov
Subject: Re: pressure-based flow calcs

As does everybody else on the Plume Team. I am attaching it here for here
for those who have not seen it yet.

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

From: pmbommer@mail.utexas.edu
Date: Sunday, June 6, 2010 6:13 am
Subject: Re: pressure-based flow calcs
To: Franklin Shaffer <Franklin.Shaffer@NETL.DOE.GOV>
Cc: "pdy@clarkson.edu" <pdy@clarkson.edu>, "Catherine_Cesnik@ios.doi.gov"
<Catherine_Cesnik@ios.doi.gov>, "Lori_Caramanian@ios.doi.gov"
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> This is the same approach I used and Bill already has my report.

>

> Paul

>

> Quoting Franklin Shaffer <Franklin.Shaffer@NETL.DOE.GOV>:

>

> > The DOE NETL has a team of engineers doing nodal analysis of the oil

>

> > leak. They've been working for a couple weeks and will continue.

> > I forwarded the email from Alan Bray of Calgary to the NETL engineers

>

> > doing nodal analysis.

> >

> >>> "wereley, Steven T." <wereley@purdue.edu> 6/5/2010 9:53 PM >>>

> > Hi all. I received the attached email--along with 4 million

> > others... This guy does some calculations of flow rate using well

>

> > geometry and so forth. I think this is Paul Bommer's area. I'm not

>

> > sure it adds anything new to Paul's work, but it might be worth a

>

> > quick look.

> >

> > Best,

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> >

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> >

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(See attached file: 2010_DeepwaterHorizons_phase2_wereley.pptx)