

Fw: Omer's Observations: jets at pipe bend

----- Forwarded by Victor F Labson/GD/USGS/DOI on 08/05/2010 02:18 PM -----

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

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Date: 06/04/2010 08:15 AM

Subject: RE: Omer's Observations: jets at pipe bend

I noticed this as well. If BP hadn't cut the riser off, I think it would have blown off sooner or later. In any case, the leaks there may have reduced the size of the main leak out of the riser...

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

From: Franklin Shaffer [mailto:Franklin.Shaffer@NETL.DOE.GOV]

Sent: Friday, June 04, 2010 6:24 AM

To: savas@newton.berkeley.edu; Bill.Lehr@noaa.gov

Cc: pdy@clarkson.edu; pmbommer@mail.utexas.edu; Marcia McNutt; pedro.espina@nist.gov; Wereley, Steven T.; aaliseda@u.washington.edu; rileyj@u.washington.edu; lasheras@ucsd.edu; vlabson@usgs.gov

Subject: Re: Omer's Observations: jets at pipe bend

Omer,

I like your analysis of the flow patterns in the leaks at the pipe bend. Very helpful.

But have you seen the newer video of the pipe bend leaks taken on May 24 ? I've attached a jpg screen shot of the video named "May 24 2010 0825 Riser Kink Plume 89 deg.mpg"

The videos from May 14 show one main jet emitting from the pipe bend (what you call J1). The video on May 24 shows at least three jets about the same size as the May 14 jet that you call J1. From what I can find in the press and our email, BP started pumping mud on May 26, two days after this video was taken.

If the three jets on May 24 are indeed oil/gas and not mud, then our estimate of the pipe bend leak could be considerably higher, in the range of 3X higher.

Regards,
Frank

>>> <savas@newton.berkeley.edu> 5/30/2010 11:56 PM >>>

Hello Everyone,

Attached is a synopsis of my observations of the kink discharge. I will continue working on quantifying my observations.

Please let me know your comments. Regards

i;½mer